FLORIDA SKIP

VOL. 33 NO. 5 THE ALL-FLORIDA AMATEUR RADIO PUBLICATION MARCH 1991 75 Cents

SILVER SPRINGS RADIO CLUB NOW OPERATING ARMY MARS STATION

FLORIDA SKIP
GETS THE UNTOLD F.C.C. STORY
Third Installment
By Bob Sherin, W4ASX, Miami

"Why do you think the top of the FCC in Washington will grant us a wide-ranging interview when larger ham publications haven't gotten that story?"

My editor, the tall, mild-mannered Andy Clark, 42 years a ham, was probing his cub reporter.

"They've already agreed," I hastened, "but the question is: Will **Florida Skip** run unsanitized whatever I come back with? You know the reason I write to **Florida Skip** is your editorial independence," I added to underscore the point.

"If it's fact and of interest to the ham radio community, I'll publish it," he said characteristically. This month you'll read the third installment of this **Florida Skip** exclusive. (Please see previous cover stories: December 1990 "View from the Top" and January 1991 "Crosswind at the Top.")

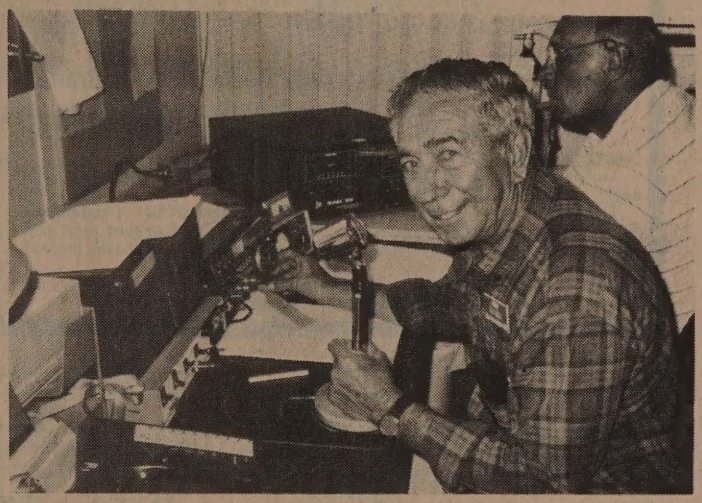
And so the visionary who gave birth to **Florida Skip** in 1958 gave me the green light in October, 1990 to go to Washington and get to the heart of the story behind the perennial swirling rhetoric. In a ham radio arena filled with censored magazines promoting their own public relations, how did **Florida Skip** emerge with such journalistic independence?

Explaining the phenomenon is the February 1991 Radio Scan Magazine Cover Story, "Honoring a Florida Legend: Andy Clark, W4IYT."

"The year was 1958. Dwight D. Eisenhower was in his second term as President of the United States. Segregation in public schools had only recently become illegal. And the painful memory of the Korean War, ended but never resolved, was only five years old. But, also in 1958, a young singer was making a name for himself as Elvis the Pelvis Presley. Sputnik I was the only satellite in space. And that year Clark started what he believed would be a small publi-

QSY P. 6 TOP

COMING EVENTS
No/FL. Ham/swapfest Mar. 16 & 17
Orlando Hamcation, Mar. 15, 16 & 17
Newberry Hamfest, Apr. 20th
Lets start over for 1992 Editor



Johnnie Williams, K4ANJ with Don Pieratt N8CBR alongside working phone patch from Desert Storm in Ocala, Fla Army MARS gateway station. See story elsewhere. (Photo via W4HTK) (Photo via W4

By James J. Yandle, W4HTK

Ocala — The Silver Springs Radio Club (SSRC) in November 1990 voted to build a U.S. Army MARS station for the express purpose of running phone patches from U.S. forces in Saudi Arabia to the United States.

In 60 days that objective was reached, and the club is now completing more than 100 calls per day.

The "Big Foot" rhombic antenna measuring 1,000 feet from front to back and carrying 6,240 feet of wire in three strands around the huge diamond is responsible for the excellent phone-patch quality signals to and from the desert. The antenna hangs 60 feet above ground with a 17-degree elevation.

Army MARS officials say this station AAR4CSS has one of the most powerful signals originating in this country. It is oriented at 44 degrees which gives excellent coverage for the desert and Germany as well.

MARS operators in Desert Storm tell us that our signal is making the biggest tracks in the desert hence the name Big Foot.

John O. Williams, K4ANJ, has been the prime mover in the construction of the station. His expertise and guidance in the construction of the big rhombic was invaluable. During the Vietnam War, Williams was also instrumental in the construction of a similar station which operated in the Air Force MARS and completed more than 10,000 patches during that conflict.

The K4GSO club station, located in the Marion County Government Complex, did not have the land area for the rhombic antenna. The Marion County Board of Commissioners was instrumental in providing the land for the station through the cooperation of the Florida Barge Canal Authority.

The station, valued at approximately $100,000, has been built

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266.

(See advertising rates in Hambar Section.)

SILENT KEYS

We are deeply sorry to report the passing of the following Florida amateur radio operators. If you hear of any S/Ks in your area please let us know.... Editor

N4GQ	Jack Renaud	Ft. Walton Bch.
K4ZDQ	Joe Glenn	Ex - Miami
WD4OIV	Norman L. Doerflein	Union Park
K4ZS	Fred Kienzle	Titusville
KB4DOF	Ernie E. Semsky	DeLand
W2BNE	Alfons L. Bygden	Largo
N4DQB	Allen Farr	Ft. Walton Bch.
N4DTN	Stanley Warren	Hallandale
W4CE	Robert Campbell	Jacksonville
N4JEI	Robert Herndon	Lakeland
N4NAO	Albert Trottier	Pt. St. Lucie
WA4SXW	Glenn Prahl	Altamonte Spgs.
K6DW	Capt. R.W. Carter	Wilton Mannors

YOUR HAM LICENSE

When was the last time you looked at your amateur license? Do you know when it expires? You should! Even with a two-year grace period, time slips by fast. If you do not know when your ticket runs out, I would suggest you find it now and make a note of it.

This all leads up to one point, if you need a FCC 610 Form **Florida Skip** can supply you with one or two provided you send us a number 10 (10-inch) evelope, self-addressed and stamped to: Skip 610, P.O. Box 501, Miami Springs, FL 33266.

The Miami FCC Field Office was kind enough to send us about 200 forms recently to pass out as needed. Play it safe . . . check your license now.

MAILING LABEL READ THE TOP LINE

Your address (the top line) shows your **Skip expiration date**. If we don't receive your renewal fee by the 18th of that month the computer automatically kicks your address out on the next mailing and you will not receive any future issues.

We can't afford to send back issues. It cost us about 85¢ to send one copy (copy, postage and handling). So please send your renewals promptly.

TO THE EDITOR

Dear Andy:

Thanks for running my letter in your November issue. If you recall, I asked you to run my name and address so that people could write and offer help. I did not get any offers of help, but I did get many letters with problems and requests for action from the FRC. This means we are not out of the woods yet!

Our next scheduled FRC meeting will be at the Orlando Hamcation on Saturday, March 16th. The time and place are not firm yet, but should be available at the information booth during the show.

We will have many items on the agenda, but one of the most important will be proposed by-law changes for the organization. Although we need director nominations from Board Districts Two, Four, Six and Eight, we only received nominating petitions from two people. Consequently, we will be modifying our by-laws to permit presidential appointments of vacant board positions.

Additionally, and perhaps more importantly, we are proposing opening the membership of the FRC to all licensed amateurs. Currently, only repeater sponsors and trustees can be members. This will allow the organization to become more responsive to repeater builders and users.

I will look forward to seeing you in Orlando.

— Sincerely,
Lawrence D. Stephey, KJ4DG
Acting President
2166 Sussex Road
Winter Park, FL 32792
(407) 657-7309

Dear Andy:

I didn't see you at the hamboree as usual. I wanted to pay for my subscription to **Florida Skip** in person, but missed you. So, I am sending my check by mail. Hope you are well.

This year will mark my seventieth year in ham radio. Harry Dannals has promised me some kind of an award.

I received a beautiful plaque a few days ago for becoming a Fellow in the Radio Club of America. I had been the secretary of the Florida Chapter of that organization, but poor health forced me to give it up.

I would like to see **Florida Skip** printed on better (whiter) paper as these old eyes are finding it hard to read. I will be 85 in a few days.

Best wishes.

— 73s,
Gerry Martin, K4DI
North Miami, FL

(**Editor's Note:** Sorry I missed you Gerry. I was in Booth 105 Saturday and Sunday, and saw hundreds of old friends! Congrats on the seventieth year in ham radio. I've got 18 more to go!)

— 73,
A.C.

Dear Andy:

Children need our encouragement to stay in school, and they need our encouragement to take math and science courses. As amateurs, this is one area where we can make a difference!

We're trying to make a difference at the Mobile Museum of Polk County. We invite amateurs in and around Polk County, Florida, to write to us if they wish to become a part of the effort to help kids learn science.

We want to do something to stimulate student interest in science in Polk County. The Mobile Museum is our proposal, and we think it will benefit teachers and students.

We need help now from persons interested in volunteering time to visit business people and teacher groups — in Polk County — to explain about the museum, and we would like to develop a list of persons who — in the near future — will be able to help design mobile units around the concepts of electronics and radio. I also wish to make contacts with Polk County amateurs who have two-meter capabilities, who could help us establish a Polk area network to speed communications around the county.

Anyone interested may call me locally at 665-7787 to discuss the project. That number is connected to my computer, but if I'm home (and I usually am after 6:00 p.m.), I'll pick up the line. Or, write to us at: The Mobile Museum of Polk County, P.O. Box 1186, Highland City, Florida 33846-9998. A SASE is appreciated, but we'll answer all letters.

Thank you for your interest!

— Sincerely,
Luther Ross, KC4AJU
Director

QSY P. 6 Letters

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HAM RADIO HISTORY

Four-Billion B.C.

Earth is a swirling ball of flaming gases. Propagation is extremely poor.

One-Billion B.C.

First dry land appears. It is divided up into squares. County Hunters Club formed.

500-Million B.C.

Second patch of dry land appears. First DX-pedition. Credit disallowed because of questionable licensing agreement.

400-Million B.C.

Flowering plants and grasses evolve. Telrex invents first beam antenna, but sales are slow because of lack of suitable structures.

300-Million B.C.

First tree appears. It is immediately cut down, stripped of branches, placed in a concrete base and named a telephone pole. Telrex sells first beam.

200-Million B.C.

Second beam sold by Telrex. Installer falls from top of pole. First safety belt sold.

100-Million B.C.

First mountain appears. Repeater invented.

50-Million B.C.

It is decided by WARC that "seek you" is too cumbersome to send on C.W. So abbrevation "C.Q." is adopted.

Four-Million B.C.

Humans replace swine as dominant species. The name "ham operator" hangs on, however.

Three-Million B.C.

Dugout canoe invented. Maritime Mobile Net formed on 14.313 MHz.

Two-Million B.C. to 800 A.D.

Nothing much happens for a long time.

900 A.D.

Chinese invent gunpowder. BY1AA is first "big gun" DXer.

1790 A.D.

Ben Franklin invents long wire receiving antenna. Ground switch invented.

1961 A.D.

Second repeater erected. First repeater group refuses to change frequency. First frequency coordinator appointed.

1990 A.D.

Amateur radio humor sinks to a new low.

— (From LYARS Newsletter)

A.M.:

THE F.C.C. IS INUNDATED

By Paul Courson, WA3VJB

FCC staffers at Commission Headquarters in Washington, DC, are reporting a heavy volume of comments on four petitions regarding A.M., now the subject of proposed rule-making. Three petitions, including one from the American Radio Relay League, seek to restore the traditional one-kilowatt input power limit taken away by the Commission on June 30th.

There is also a petition to completely ban the use of A.M. on the ham bands and FCC officials say that this is the one which is drawing the greatest response. William Prechtl, W3KO, told the Amateur Radio Newsline that he filed the petition because A.M.'s biggest calling card is no longer popular. Prechtl said, in part, "amplitude modulation implies fidelity and amateur radio has more or less gotten away from high-fidelity because we are not like broadcast stations."

But comments filed on RM-1701 say that A.M. as a ham radio specialty has a powerful draw. Some comments cite classic experimentation with new technology leading to improved A.M. on the commercial broadcast band. This may be the sort of technical advancement that the FCC is seeking as it tries to revive A.M. band utilization.

Still others cite the warm sound of A.M. as a way to bring back the old feeling of families listening to the radio. Still others suggest A.M. is the first and most inviting exposure to amateur radio for the growing number of shortwave listeners with "world band"-type radios that primarily tune the A.M. mode.

Prechtl says that he is willing to withdraw his petition to ban A.M. if a good argument comes along. He also says that the comments he has seen so far fall short of that level.

— (TKS Westlink Report)

TRAFFIC HOUNDS — JANUARY 1991

By K4ZK, STM South Florida

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MGR	QTC/QNI
QFN	1,182	19.1	767	12.4	62	AA4HT	0.64
FMTN	852	27.2	558	18.2	31	W4NFK	0.65
FPTN	1,385	12.6	391	31.9	31	WB4WYG	0.28
SEFTN	1,273	41.1	347	11.2	31	KD4GR	0.27
TPTN	701	22.6	304	9.8	31	WX4J	0.43
GN	262	8.4	281	9.1	31	W4MEE	1.07
NFPN	2,436	78.6	279	9.0	31	WA4NDA	0.11
FMSN	439	14.2	185	6.0	31	N4KFU	0.42
FAST	627	10.1	142	2.3	62	WD4KBW	0.22
SWFTN	915	33.8	129	4.8	27	K4FQU	0.14
SVTN	724	23.1	101	3.4	30	KB4LB	0.13
FPON	360	11.6	96	3.1	31	WB4GCK	0.26
QFNS	222	7.1	70	2.3	31	KC4FL	0.31
SPARC	740	23.9	41	1.3	31	WD4FAL	0.05
DEN	282	56.4	14	2.8	5	N4VDM	0.04
PRVAN	35	5.0	12	1.7	7	WD4KBW	0.34
AIN	80	20.0	10	2.5	4	WA4PFK	0.12
ENMC	51	10.2	3	0.6	5	K4ZK	0.05

Total QTC: 3,730 • Average QTC/QNI: .31

TOP TWENTY TRAFFICERS — JANUARY 1991

By WA4PFK and WA4PUP

STATION	TOTAL	STATION	TOTAL
1. W3CUL	3,334	11. KB4WBY	329
2. W3VR	1,117	12. AA4HT	292
3. WA4QXT	641	13. K4FQU	268
4. WA9VND	622	14. KD4GR	246
5. K4SCL	411	15. K4IA	209
6. N4SS	394	16. AB4EA	209
7. WA4EIC	365	17. N4KFU	188
8. WA4PFK	349	18. W4MEE	185
9. WB0HOX	346	19. K4EUK	160
10. W4NFK	345	20. KC4ECA	156

FLORIDA C.W. NETS

By Ed, K4IA

FMSN Reported by Joe, N4KFU: Traffic went down some, but there was enough to keep us busy, thanks to the efforts of AA4FG and KC4FL from TPTN, and others.

The net was very happy that KB9LT, who was hospitalized, has returned.

WB4WYG is unable to continue as an NCS as WA9VND is now doing double-duty. Many thanks to Laura who jumped right in and is contributing much to FMSN. Bill does continue to check in, and we appreciate that. Therefore, we need another NCS for the Thursday slot; an excellent chance to try your mettle, get experience and make a significant contribution to your hobby and the net.

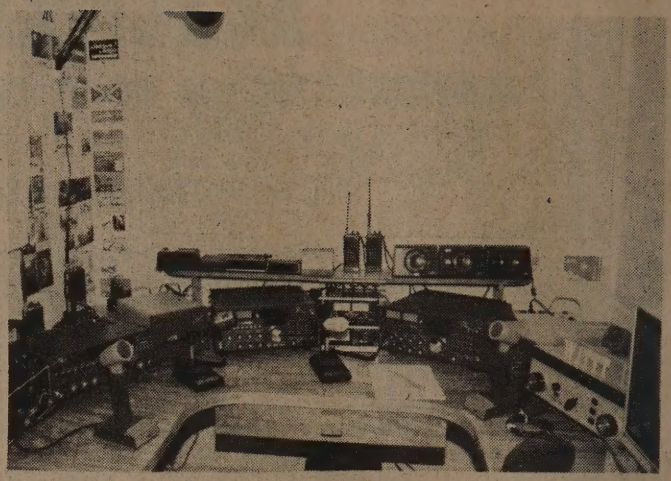
The net also needs a couple of QFN liaison stations. This is a great time to try it and learn because the rush season for traffic is past and net operations are more leisurely. One can't worry about making errors or embarrassing yourself because no matter how much experience you have, you will make mistakes. The key is having the desire to learn and limit one's mistakes.

My experience has been that by volunteering to do NCS or liaison work, you become more aware of proper procedures, gain experience and reduce your fear of making errors. The end result, believe it or not, is you relax, become more proficient, have more fun and really become a much better operator. Believe me, that is noticed.

FMSN had 439 QNI's with 185 messages in an average time of 23 minutes per session. We salute WC4D who again had perfect attendance. What support, O.B.!

Those checking in more than one-half of the 31 net sessions were: WC4D, WA9VND, N4BGS, AA4BN, AA4CH, K4EBE, KC4ECA, KC4FL, AA4HT, W1KAM, N4LAO, KA4NXF, WA4QXT, KC4TNI and N4UAV.

Watch for the FMSN Newsletter in late February. Read all about famous and interesting net members, procedure, the latest from our STM's and trivia . . . you name it!



Norm Polonsky, W1TTT of Royal Palm Beach proudly dis-shows off his neat Ham Shack in a spare bed room. Norm has 4 complete stations in operation - one at a time, of course. What no hand key or Keyer?? Hummmm

Cost: Simply check in five or more times and you get this prestigious publication absolutely free. Who knows, you may be the next headline.

QFN Manager Rip, AA4HT Writes: As expected, traffic decreased significantly in January from the heavy load we had in December. The total count dropped from 1,359 to 767 with check-ins decreasing from 1,269 to 1,182.

Cotton, KB9LT suffered a heart attack last month, but appears to be recovering very nicely. He has recently begun checking into the net, and soon will be as active as ever. Another member that will certainly be missed is Bud, W4KIX who will undergo surgery, and must be replaced as the Wednesday RN5 representative. Early in February Bill, WT4F suffered a heart attack. The latest news is that he is resting comfortably awaiting further tests. We wish both Bud and Bill a speedy recovery, and look forward to their return to the net.

Another change in the roster is that WA4GYR and I are swapping nights as 4RN representatives. He will go now on Tuesdays while I take Wednesdays.

See you on QFN.

CORRECTION

Our typesetter inadvertently changed "CW" to "cable wireless" in the Florida CW Nets column in last month's issue of **Florida Skip**. Her apologies. We've been informed it is an abbreviation for "continuous wave."

— Simcox and Associates

Gator Net Notes by Doug, W4MEE: The statistics seem about the same as last month.

Mae, W3CUL had eye surgery, but is going strong, and must be all okay as she checks in 100%.

We have a new member in Dan, W4DL of Hialeah, who I hope will take an NCS spot.

N4EKC and nine QNI, so we are trying to get him "gung ho" on traffic handling, hi!

Bill, WT4F resigned as Tuesday NCS, so I took over, and then W8IM also resigned, leaving me with all the more work. Things are getting downright tough. Dean will QNI when possible, but heavy church work is his reason, a good cause.

K4JI never misses, a good work horse, and W4IYT only misses Sundays. We lost KB9LT as NCS, but he should be back soon. Finally, W4MEE must always be present, so you can see we are not in good shape, and can use some help.

I now have a computer, and am considering getting out a Gator Net bulletin.

QFNS Notes by John, KC4FL: Net figures for January were down a bit, but were about the same as November with 70 messages handled.

FLORIDA HOUSE OF REPRESENTATIVES — 1991

By Representative Rudd

HB-203 — A bill is to be entitled An act relating to radio communication; prohibiting counties and municipalities from enacting or enforcing restrictive ordinances governing amateur radio antennas; providing for construction of such antennas in conformance with federal requirements; providing for the application of the act; providing an effective date.

Be It Enacted by the Legislature of the State of Florida:

Section 1. **Amateur radio antennas; construction in conformance with federal requirements; effect upon existing antennas; conflicts with local comprehensive plans. —**

(1) No county or municipality shall enact or enforce any ordinance or regulation which provides more restrictive requirements for the size and construction of amateur radio antennas than is provided for under federal law, rule, or regulation. Any ordinance or regulation adopted by a county or municipality with respect to amateur radio antennas shall be in conformance with the "Amateur Radio Preemption, 101 FCC 2d 952 (1985)" as issued by the Federal Communications Commission.

(2) In the event that any local comprehensive plan contains requirements which are more restrictive than the requirements under federal law, rule, or regulation with respect to amateur radio antennas, the federal requirements shall prevail.

Section 2. This act shall take effect upon becoming a law.

HOUSE SUMMARY

Prohibits counties or municipalities from enacting or enforcing ordinances or regulations governing the construction of amateur radio antennas which are more restrictive than federal laws, rules, or regulations.

Coding: Words stricken are deletions; words in **bold** type are additions.

— Submitted by Howard Dutkin, N4EBT, Miami

SPECIAL EVENT STATION FT. PIERCE, FLORIDA

By Bill Shisler, W3DHN

The Ft. Pierce ARC will operate KJ4YF from 1400Z-2100Z April 13th to commemorate the Fourth Annual Trail Ride of the Florida Cracker Trail Association. Operation will be on the 40-, 20-, 15- and 10-meter phone bands. The novice portion of 10 meters.

For 8" by 10" certificate, send a QSL and a large SASE to FPARC, P.O. Box 0004, Ft. Pierce, FL 34954.

NEW OFFICERS

By Rick Vahan, N4PBF

The South Florida FM Association held its election of officers at its January 14th meeting at the Dade County Emergency Operations Center.

Elected were: Ed Degelsmith, KA5POO as president; Harry Pilafian, W4SQG, vice president; Kevin Breault, KA4VAS, treasurer; Rick Vahan, N4PBF, secretary; and Bud Frazier, W4RNV, trustee for three years.

Degelsmith, a 29-year veteran of the U.S. Air Force, is a military policeman with expertise in anti-terrorist action. He discussed means of avoiding becoming a victim of terrorists and other criminals.

Be aware of your surroundings and who is near you, he said. Avoid large crowds that might be a target for bomb-wielding terrorists. Stay away from obvious targets such as airports, electrical sub-stations and other likely targets when possible, he added.

Degelsmith said people should be aware that their cars are fair game and should take precautions to know when their cars have been tampered with. Keep the doors locked when inside or out of the car, he said.

When traveling outside the United States make a point of not displaying objects or clothing that pinpoints one as being from the United States to avoid being singled out for seizure or other harm, the Air Force Master Sergeant said.

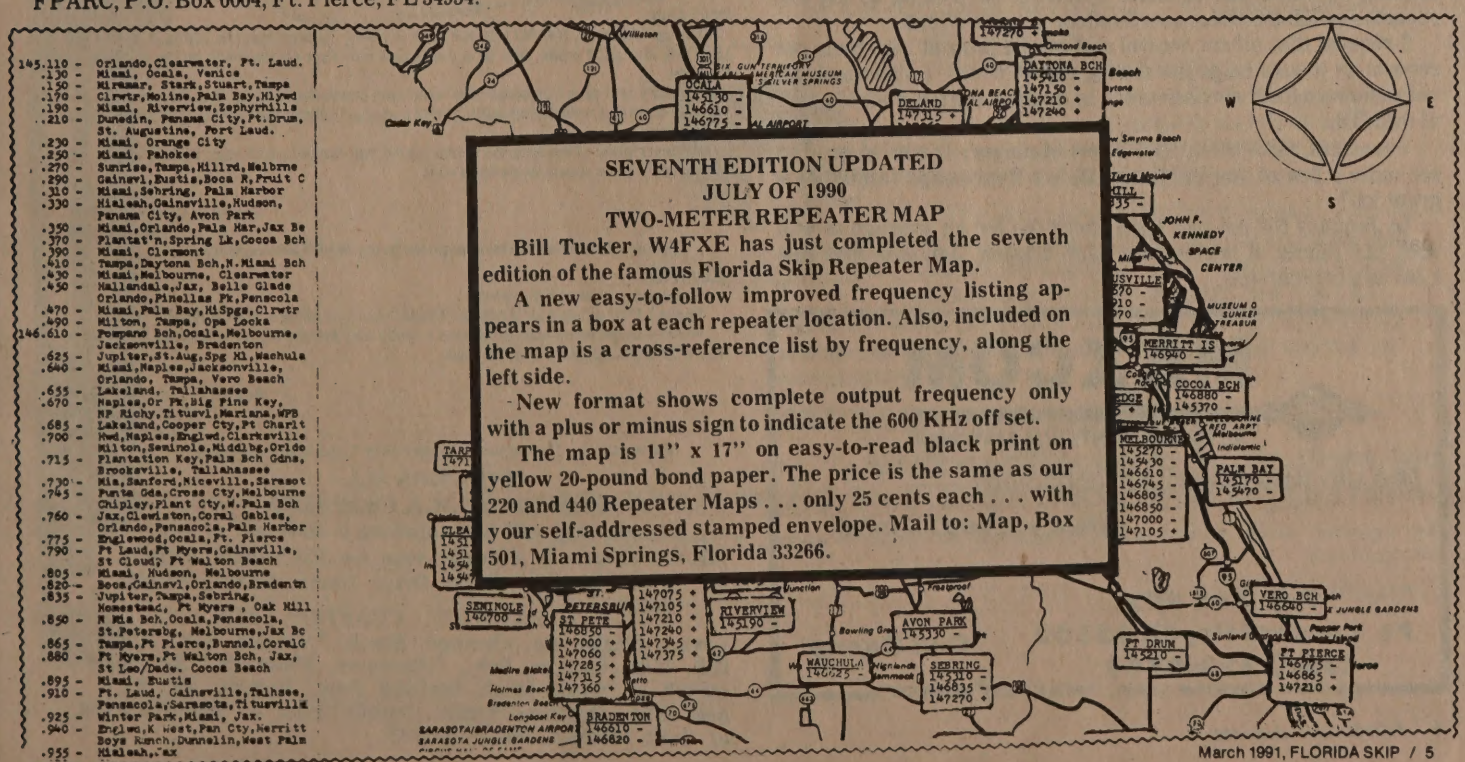
The career military men stationed at Homestead Air Force Base teaches Air Force personnel ways to avoid attack by terrorists as well as carrying out regular military police duties at the base.

Q.C.W.A. BANQUET

The Dayton/Cincinnati Chapter of the Quarter Century Wireless Association announces the 1991 Annaul QCWA Banquet Friday, April 26th, the first evening of the Dayton Hamvention. Neil's Heritage has an outstanding meal for us.

COD bar is at 6:30 and the banquet starts at 7:30 p.m., EDT. The speaker is Robert G. Heil, K9EID. Tickets are $15 each, reservations required. Come join the fun. QCWA membership is not required to attend.

For tickets or information contact: Bob Dingle, KA4LAU, 657 Dell Ridge Drive, Dayton, OH 45429; (513) 299-7114.



High volume stations were: WA4PFK, KA4FZI, WC4D, N4LAO, WA9VND and N4BGS.

Also, welcome to these new stations on QFNS: KD4DC, KC4UBK, N4KIW and KA9JNE.

We invite all those interested in an introduction to traffic handling to come and join us on 3715 KHz at 8:00 p.m. daily.

—73 from,
John

There appears to be a growing tendency for stations to tune up on the net frequency right over an ongoing QSO. Pre-net contacts help to keep the assigned net frequency clear, so please check your rig on a nearby clear spot.

—73,
Ed, K4IA

S.S.B. TRAFFIC NETS
By Joe Scungio, N4KFU

From Earl, K4FQU, SWFTN Net Manager: The city is choked with tourists, and is very evident on the highways and repeaters. This gives us a shot in the arm and is good for our traffic nets.

The January traffic count was only 120 and check-ins numbered 863. This compares with a QTC of 269 and 1,000 check-ins for two years ago. This indicates that maybe we have to get people interested in traffic again.

The net is in pretty good shape, NCS wise. We have a few new people who are doing a bang up job. However, there is still a need for liaison stations.

Thanks to all stations for their participation and support. Everyone have a good month.

From Earl, WX4J, TPTN Net Manager: We started the new year with a bang. QNI totaled 701 with 304 pieces of traffic.

Net certificates this month went to WD4KBW, W4SME, W1UKR and KC4VK. Congratulations and thanks for your help.

The net welcomes Sam, N4BGS, from Gulfport. Glad to have you aboard, Sam.

Top stations this month were: WB0HOX and WA9VND with 29 check-ins followed by WB4DNT, KB4MON, WA4QXT and WB4WYG with 28. Others with over 20 were: AA4FG, KB4FIY, K4EUK, KA4NXF, AA4CH and KM4KC.

KB9LT is recuperating from a tour in the hospital, and hope to hear him back on the air soon. WB4DNT is presently in the hospital for some preventive maintenance, and hope to hear him back on the air soon.

My presence on the net will be spotty, at best, due to my work schedule. I would like to thank WB0HOX for picking up my net reports and KB4MON for coordinating net operations.

I request that all net control stations be prompt with their net reports as it sure helps me during report times. I also thank all net members for their assistance in making the net a viable port of the NTS.

From Bill, WB4WYG, FPTN Net Manager: It was so good to see quite a few of you in Miami. Didn't Evelyn and family do a great job?

In January the net had 1,385 check-ins for an average of 44.6 with 12.6 pieces of traffic sent each session. January 1990 had 1,364 as a comparison.

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Twenty-three stations had 100% check-ins. They were: W4BKC, AA4CH, WD4DAH, WA4EIC, K4EJW, WA4EYU, WD4FNS, N4GMU, WB0HOX, WA4JDH, K4KIC, KB4MON, WA4NBE, K4NKA, WA4RUE, K4SJA, W4SME, WB4TZR, WA9VND, KB4WCX, WB4WYG, N4XMD and WB4ZVD.

Thirty-three stations checked in over 80% of the net sessions. Wow!!!

N2AOX is temporarily off the air due to rig and/or antenna problems. KA4NXF has been missing these last few days due to sickness in the family.

The net welcomes Sam, N4BGS from Gulfport.

WX4J has moved his QT to Jax, and his work schedule precludes checking in Sure miss you Earl. The net also missed N4CYV this month. WD4IUD has returned from vacation.

Would like to ask all members and those that check in, to cooperate with the NCS and follow his directions as he has a plan in mind to handle listed net traffic. Returning stations are requested to expedite further listed traffic. So again, please consider him the leader while he is NCS.

Hope to see you all at the Orlando Hamfest.

Dear Andy:

Several of Florida's local and county governments are enacting ordinances limiting amateur radio antennas to 35 feet maximum height. It has been reported that the Florida Department of Community Affairs in Tallahassee seems to be recommending to the local governments to adopt such a limit.

Such restrictions have been adopted in Orange County. Over 100 amateurs in Orange County have signed a petition seeking repeal of the restriction.

To fight such restrictions, we now have HB-203 which includes provisions of FCC declaration PRB-1 into state law and forbids local municipalities from enacting and/or enforcing contrary ordinances.

We are seeking a companion bill in the Senate. Both the House and Senate Chairman of the Rules Committee have promised their support in getting the bill passed.

All radio clubs as well as individual amateurs should contact both their local representatives and senators to support the legislation concerning amateur antenna support structures. Any questions can be directed to Representative Hurley Rudd in Tallahassee as he is the sponsor of HB-203. Those that have personal contact with their local representatives or senators should do so immediately.

Hopefully, all Florida hams and clubs will push this legislation. If this legislation does not pass, we will be subject to constant threats from politicians who do not understand or appreciate the value of amateur radio.

A good selling point to make to officials is that by the antenna heights limitations, the effectiveness of communications during hurricanes and disasters, will certainly be limited. Also, one other point that can and should be made is the communication service provided by amateurs for those serving in the Gulf and their families.

We need this legislation. Won't you help now?

—73,
Rudy Hubbard, WA4PUP
Section Manager, North Florida
P.O. Box 843
Milton, FL 32572-0843

Dear Andy:

Johnny Williams, K4ANJ told me to pass along his best regards. He said he has not seen you in a good while, but he is doing fine now that all the work on the rhombic is finished.

My story will give you some idea what was one helluva 60-day period when the antenna and station were being built, and the myriad details that comes with this kind of an operation.

My description of the antenna is true, and if you can get away from South Florida, we would like to have you come up for a visit.

—73s and stuff,
James J. Yandle, W4HTK
(904) 622-7004

(**Editor's Note:** See the front page for Army MARS Station story.)

Dear Andy:

Enclosed is a check for renewal.

I have LPTV on air now WAR-16 (W16AR) on Channel 16 — 8.4KW ERP.

Will try to get some ham programs — code and license study things, etc. If you have any VHF tapes on this, I will run them.

—73,
August F. Gabriel, K4BZY
126 St. Lucie Lane
Stuart, FL 34994

(**Editor's Note:** Can anyone out there help Augie with his project?)
-A.C.

ATTENTION ALL
FLORIDA Q.C.W.A. CHAPTERS

Florida Skip will be publishing a directory of any QCWA chapter in Florida. Send me Eli Nannis, K4JMH, 14996 Imperial Point Drive North, Largo, Florida 34644.

HALIFAX CHAPTER 125

Covers Flagler Co. Ormond Beach, Daytona Bch. Holly Hill, New Smyrna Bch., Edgewater. Meets 2nd Sat each month at Prime Steak Seafood Rest, Volusia. Rt. 92 near I-95, Daytona Beach: Details from Al 904-672-2324 of Jack W4OKE 904-673-0931.

AEA's IsoLoop™ HF ANTENNA

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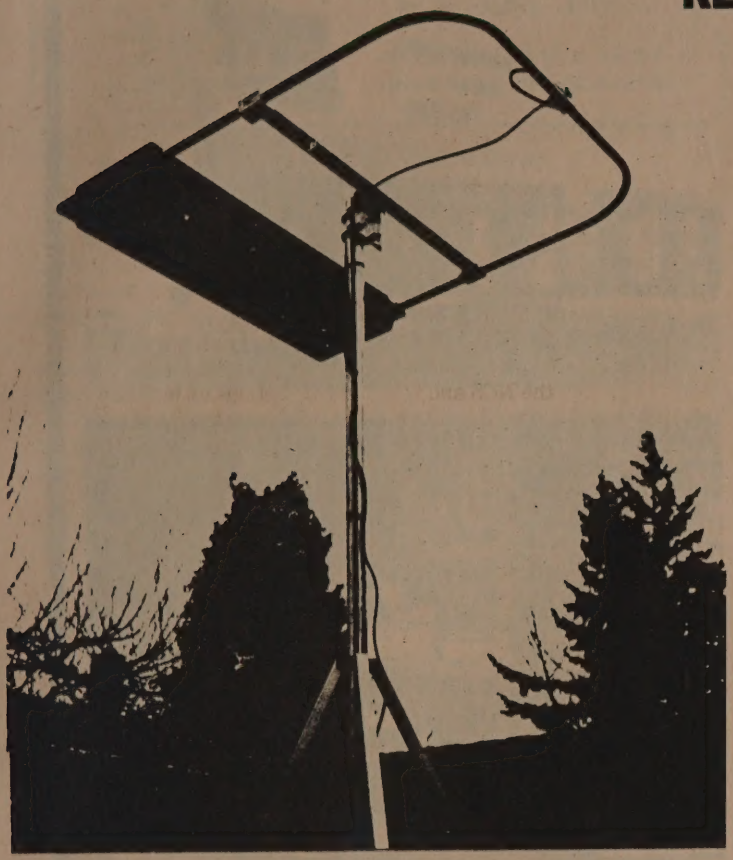
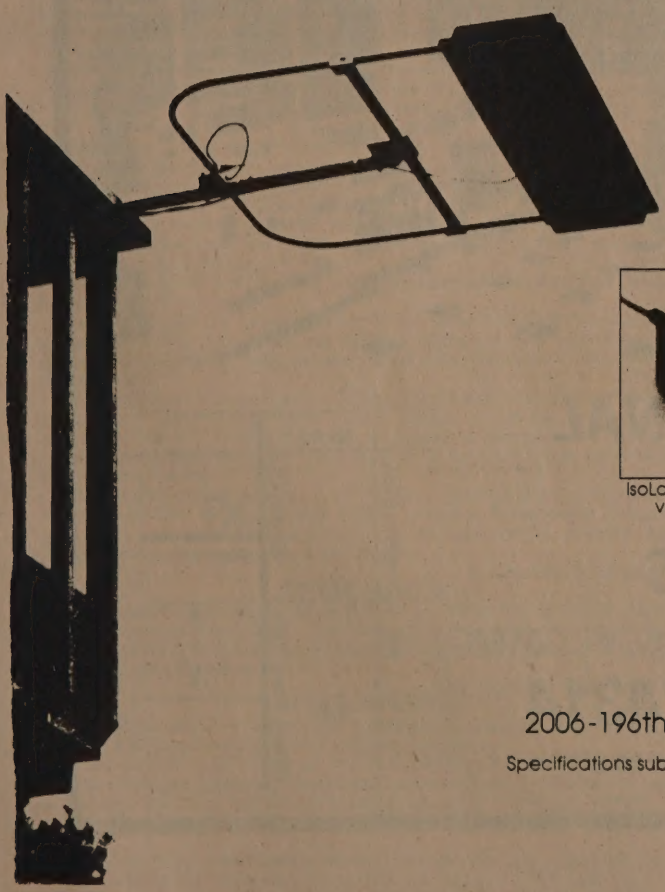


Once again AEA has achieved a significant engineering breakthrough with its high-performance, low profile HF IsoLoop antenna. Performance isn't compromised by its small size. Operate your favorite HF band (14 to 30 MHz frequency coverage) from areas with restrictive zoning ordinances or apartments and condos. Or take it with you on vacation. . . it's the ideal go-anywhere portable antenna. And it's the only antenna you need to cover 14 to 30 MHz. ONE antenna instead of numerous dipoles and without any traps!

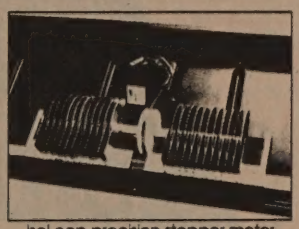
150 Watts. Rated up to 150 watts, the IsoLoop transmits and receives on any frequency between 14 to 30 MHz. When mounted with the loop in the horizontal plane, the radiation pattern is omni-directional and horizontally polarized, with the gain of a dipole. Maximum radiation is at low angles which is ideal for DX operation. The IsoLoop may also be mounted with the loop in the vertical plane to provide a null in a desired direction. Tuning is provided by a precision stepper-motor and a small remote control box, the LC-1.

The IsoLoop does not need ground radials and its balanced, shielded feed-loop isolates the feedline from the antenna. The IsoLoop is well-isolated from the feedline. Like AEA's Isopole antennas, your signal is radiated by the antenna and not the feedline. With end-fed antennas, the outside of the coax becomes part of the antenna, resulting in noise and computer hash pickup and increased TVI problems.

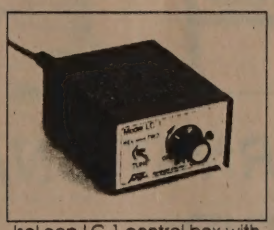
High-Q Design. One of the unique features of the IsoLoop is its inherent High-Q. The IsoLoop can be considered a very sharp tunable filter that radiates. The narrow bandwidth suppresses harmonics from your transmitter reducing TVI problems. It also attenuates out-of-band signals from nearby transmitters that could overload your receiver.



Compact. The IsoLoop is square, with rounded corners, and measures 32 inches on a side and weighs only 12 pounds. Because of the IsoLoop's small size, it makes a perfect attic or balcony antenna. It's also excellent for portable operation, recreational vehicles or camp-site use. A rotator is not necessary when used in the omni-directional, horizontally polarized mode.



IsoLoop precision stepper motor provides accurate tuning.



IsoLoop LC-1 control box with variable speed tuning.

Revolutionary. The AEA IsoLoop antenna represents years of research and development. Others may try to imitate the IsoLoop, but none can match the patent-pending design.

AEA also provides technical support from the factory or through your personal computer and modem on CompuServe's HamNet. If you are already a CompuServe member, just type GO HAMNET at any CompuServe prompt. For a free introductory CompuServe membership, call 1-800-848-8199 and ask for representative #48.

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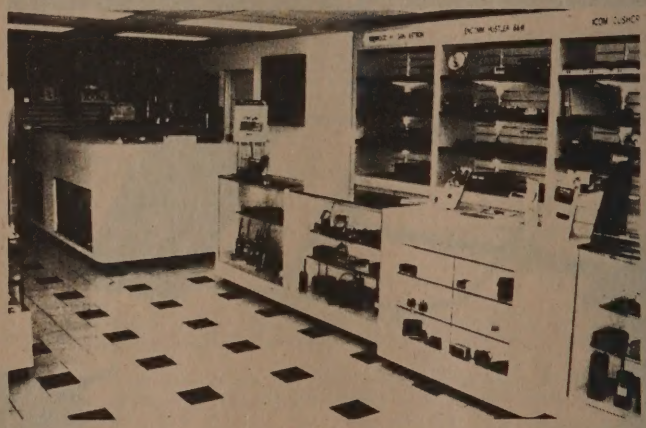

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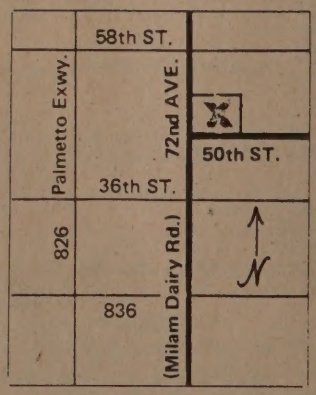

QCWA, Inc.

FLORIDA Q.C.W.A. NEWS
Edited by Eli Nannis, K4JMH

FLORIDA STATE Q.C.W.A. NEWS
Edited by Eli Nannis, K4JMH

Two new QCWA Chapters were chartered recently. They are the Hanging Judge Chapter No. 176 operating in the Ft. Smith area of Arkansas and the Floyd Henderson Chapter No. 177 operating in the Riverside, California region. Congratulations to both chapters, and to those who worked to bring them together.

A number of chapters have not filed their 1990 chapter reports. If these reports are not received, that chapter will be considered to be inactive.

It has been suggested that each chapter appoint a member to a permanent position of recording and reporting on QCWA Silent Keys in their area.

QCWA has passed the mark of issuance of the 24,000 membership number. That number was issued to James Hawley, W7VTW.

Mark your calendar for the SSB party coming up on March 9-10.

Headquarters is looking for some bids for the 1993 National Convention.

Chairman of the Publicity/Awards Committee NF6P, Bob Rickey, is requesting the membership to send in nominations for honor awards. Send nominations to NF6P by March 1st.

SUWANNEE CHAPTER

The Board of Directors of our chapter held the first board meeting of 1991 at the Presidents home in Ocala on January 17th.

The schedule of meetings for the chapter with the program chairpersons was outlined for the entire year. Meetings will be held on the fourth Thursday of the months February, April, June, August and October, and the December meeting will be on the second Thursday. The meetings will continue to be held at Don's Smorgasbord in Ocala on 36th Avenue, and the time will be 11:30 a.m.

The audit report for 1990 was submitted and approved. The Audit Committee performed the audit check with Adis Henry, W4PFJ, the retiring secretary/treasurer. Daisy Coleman, W4QAV is our new secretary/treasurer.

The dues will remain at $5.00.

We lost 10 members during 1990, and welcomed 13 new members. Our chapter welcomes any and all unaffiliated QCWA members to join this progressive group.

— Reported by President Ray Chartier, W1RFE

PELICAN CHAPTER

Our chapter held its January meeting at a new restaurant, the Homestyle Family Buffet in the Tyrone Garden Shopping Center. Our other meeting place was closed up with no notice, and we were fortunate to find another meeting place so soon. Forty-six members and guests attended the meeting.

Gil, W8HEZ, formerly presented the 1990 Phil Stern Award to Harry, K4WP, for service to amateur radio and the Pelican Chapter 128 QCWA. Harry was one of the chapter members of Pelican.

Arrangements are being made to provide transportation for our members who can no longer provide their own.

Wes Randles, W4COW, gave a summary of what led up to the QCWA National Boards decision to endorse the no-code concept of licensing the FCC seemed bound and determined to implement. Also, we were reminded about the QSO parties coming up in the near future.

The program at the meeting was "A Snapshot of Large Telescopes on the Ground and in Space" presented by Charles Gramm, KB4ZB. He has had a varied career in optical and infer-red technology. His slides illustrated the various 3-1/2x phases of telescope technology. He explained the reasons for the glitches that appeared in the Hubble space telescope.

Following the program, Dave, K4KE installed the new officers of the chapter for 1991, and they were: Blanche Randles, W4GXZ, president: Ralph Luedke, K9MOR, vice president; Jay Strom, K9BSL, secretary; and Don Bice, W4PCO, treasurer. Blanche was presented with a beautiful camellia corsage.

— Reported by Jay Strom, K9BSL

CITRUS CHAPTER

Our chapter held its monthly meeting on January 19th at Stacey's Buffet, Altamonte Springs, and 30 members heard a very interesting slide presentation given by John Morhart, KB4TAG. His presentation covered his travels in the Middle East. A question-and-answer period followed.

— Reported by S.A. Llewellyn, W4HCN

SUNCOAST CHAPTER

Our chapter held its regular monthly meeting at the House of Chong in Sarasota on January 3rd. There were 61 members and guests present.

A new member, Virgil Yarbrough, K4IEK was welcomed to our chapter.

It was announced that we will have a table at the Sarasota Hamfest on 16th and 17th of February. Bob Siff, K4AMG will be in charge assisted by John Willig, W8ACE.

President Corby Pratt presented a 60th Anniversary Award to Bob Bookwalter, W4NWF.

Corby told of his experiences in helping to design and build a log periodic curtain antenna. The vertical elements were hung from a rope over 75 feet long. The first antenna fell, due to failure of the rope. The new rope is fiberglass. On the first test using a 100KW transmitter, an element arced over and started a grass fire. The antenna has a gain of 18DB and was used for a long range radar using two 20KW transmitters. To plot the radiation pattern of the antenna a KC 135 plane trailing a wire antenna was flown back and forth in front of the installation.

— Reported by Bob Bookwalter, W4NWF

GATOR CHAPTER

There were 45 members and guests attending the chapter meeting on January 5th.

The new officers for 1991 are: President Paul Turner, W1DLP; Vice President Barton Bridge, W2ZYQ; Secretary Eli Nannis, K4JMH; and Treasurer Bill Turner, W2WV. The Board of Directors are: Don Pico, W4PCO; and Lou Weber, K4HWS.

The program was given by Mr. Larry Tuten of the National Guardian Security Services. It's a medic alarm system which is advertised on television.

We welcomed a new member, Art Monsees, W4BK and his XYL. Art was a former member of Gator and has moved back in Gator territory. He was formerly national treasurer of QCWA. Tom Coiro, KB4EI was also welcomed as a new member.

We are sorry to report that member, Tom Matthews, K4IJC is a Silent Key. He was badly injured in an auto accident. A former member of our chapter, Ernie Grant, W1GJZ has also become a Silent Key.

Bill Penhallegon, W4STX was given the title of Program Director as he has given us many fine programs at all our meetings.

Our chapter net on 125.29 has been growing, and we invite all others to join in at 9:00 a.m. every Saturday morning.

The chapter roster will be made out after our February 2nd meeting. All dues must be paid by then.

— Reported by Eli Nannis, K4JMH

CENTRAL FLORIDA CHAPTER

Sparky, W4LHP was installed as our 1991 President. He thanked all outgoing officers for their exceptional work during 1990. The new Vice President is Lew Porter, K4OVQ; Secretary is Jay Jay Hitchcock, K8YGH; and Treasurer is Frank Mason, W4TIC who was busy taking membership dues of $5.00.

George Yazell, W9EJY is getting favorable attention from the NAB on his proposal for noise-free AM broadcasting.

Danny Webber, W1PCD is waiting for his new Alpha Linear.

Ulis Tucker, W4YRK is an active elder with his church. Al Streling, W4OFT continues as chapter chaplain.

Congratulations to Charlie Stevens, K8RIF for his long term as treasurer, and best wishes for wife Barbara's speedy recovery from surgery.

Tom Snipes, KM4OA does a FB job with his camera at our meetings. Dick, VE3BIS; Keith, VE3OEE; Ward, VE3GFS; Al, VE3DA; and Frank, VE1FY give Canada good representation of our winter meetings. Orv Johnson, VE3BFJ is a regular year-round member.

— Reported by Jim Gundry, W4JM

HERNANDO CHAPTER

The annual meeting of our chapter was held on Tuesday, January 15th with 28 members and guests present.

The new officers are: President Win Knowlton, K1BUM; Vice President Ed Tilton, W1HDQ; Secretary Eunice Gordon, W1UKR; and Treasurer Bob Gordon, W1KUL. The Board of Directors are: Marv Oehring, W1GEN; and Frank McCarthy, W1YTB. Outgoing President Henry Wemple, W2EQO automatically becomes a member of the Board.

Ed, W1OOR gave a short report on the condition of Ed Tilton, W1HDQ who was in the hospital. We all wish him well, and hope he and Leitha will be back with us for the next meeting.

Gliff Dennis, VE3AAN was presented with the Golden Anniversary Award and the 50-Year Continuously Licensed Award.

The last order of business was the presentation of the gavel to our new President K1BUM by retiring President Henry, W2EQO. Thanks to Henry for a job well done, and best wishes to win for the year to come.

Our monthly meetings are held on the third Tuesday at 12:30 p.m. at Sorrento's Restaurant on U.S. 19 in Weeki Watchee.

— Reported by Eunice Gordon, W1UKR

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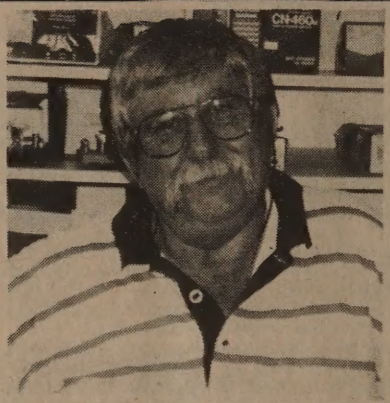

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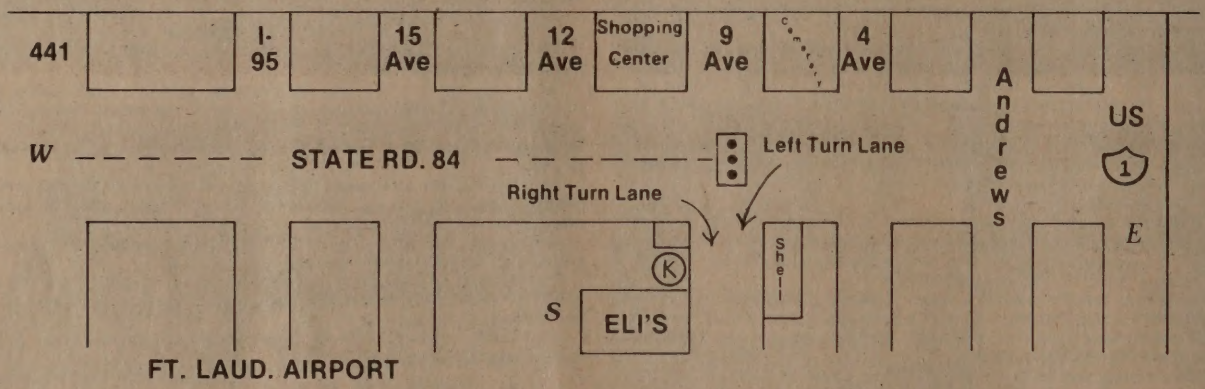

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"SE HABLA ESPAÑOL"

In front of the toys collected through the Toys for Tots Campaign are committee members (from left to right): Jeffrey Beals, WB2OUK; Bill Kiekenapp, K4GTE; Vi Kiekenapp, KC4LCF; Diane Baker, KC4TIA; Pat Newell, KC4LCE; and Charlie Newell, K2GNZ.

FIRST TOYS FOR TOTS CAMPAIGN A SUCCESS

By Diane L. Baker, KC4TIA

For the first time, the hams in the West Palm Beach area pitched in for the Marine's Toys for Tots Campaign. All repeater groups and the West Palm Beach Amateur Radio Club, participated in the collection of toys for the Palm Beach County area.

A total of over 75 toys were collected and turned over to the Marines at a gala for the campaign at the Flagler Museum in Palm Beach on December 8, 1990.

A bigger campaign is planned for next year, and hopefully, all the Marines will be home from the Middle East to participate.

KNIGHTS OF THE KILOCYCLE

3910 kc. Sunday Morning 1230Z — 0730 EST

By Bob McDow, W4KOG

I've just returned from a weekend at the Miami Hamfest — and I have to congratulate Evelyn and all the other guys and gals in Miami for giving us an excellent hamfest!!! The XYL and myself had a grand weekend. We got to meet a lot of our friends (too many to list) and we thoroughly enjoyed ourselves. Thanks again to all who were involved!!!

I would like for all the Knights to welcome Don, K7DWT as your new health and welfare representative. I have really enjoyed the job while I have had it, and I'm giving it up with great regret, but conditions are such that I can't be on the air enough to collect the news properly, and to do a proper job.

Any news or fund donations should be sent to Don Stone, Sr., K7DWT, P.O. Box 945, Marathon, FL 33050.

Don, good luck to you!!! I hope you enjoy the job as well as I did — and I'm sorry we missed each other in Miami.

I'm sorry to report that Yukon, WA4YHS is very ill and in the hospital. Cards can be sent to: Wm. L. Curry, 758 N.E. Easy Street, Port Charlotte, FL 33952. Get well soon Yukon, we'll be listening for you on the air!!! Also, by this time George, K4AAP/5 should be recovered from his pacemaker transplant out there in Texas!!!

Congratulations go to Mort, VE3AVA and his XYL on their 46th anniversary and to Mort on his 66th birthday!!! Anniversary wishes also to Bob, W4KOG and Ernie, KA4BTQ. Birthday best to John, N4SLS and to Wendy, W1UCL.

Congrats to Clyde, W13X (ex-KM4WO) on his upgrade to extra.

Last but not least, I have to mention Mark, WA4JAT. He had a nice table at the Miami Hamfest which was completely loaded with "antique" radio gear. Both receivers and transmitters . . . working spark gaps . . . receivers blaring and everything shining like new!!!

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INTERSTATE REPEATER DIRECTORY UNDER DEVELOPMENT

By Robert Osband, W4SCY

Via Oz Press of Tampa, Florida, is preparing to develop a directory that will list amateur radio repeaters by mile-markers on interstate highways. Ham radio operators have longed for a directory that they didn't have to flip around in, to find the next machine on the highway.

The Interstate Repeater Directory will solve this problem.

The Interstate Repeater Directory will list each one- or two-digit interstate highway. Repeaters will be listed in the order of the mile-marker nearest the machine. Trustees will be asked to submit the mile-marker information, including the markers on either side where users can first reach the machine with five watts.

Repeater trustees whose machines are reachable from these arteries of American commerce are asked to send a stamped, self-addressed envelope for a questionnaire. In return for the information, they will receive a printout of their own state and three other states of their choice, once the data has been compiled.

Trustees should send their envelopes to: Interstate Repeater Directory, Via Oz Press, P.O. Box 23214, kampa, FL 33623.

P.C.A.R.S. PROPAGATIONS

By Gerry Wentz, KC4EHT

The Platinum Coast Amateur Radio Society (PCARS) of Melbourne held its general meeting Monday, January 14th and voted on a new line-up of officers for 1991. The results are as follows:

President — Jack Taylor, W4CWB
Vice President — Tony Campagna, AB4VR
Treasurer — Joe Evon, WA4WDI
Secretary — Mary Radwidk, N4ZJP
Custodian — Howard Redding, N4MZ
Directors — Vic Radwick, KC4RCT and Mike Perry, AB4GI

Brevard County amateurs, with a large contingent from PCARS, participated in an air crash disaster simulation at the Melbourne airport. The simulation involved all areas of emergency service disciplines, and was observed and evaluated by OEM and representatives from ARRL.

The amateur radio operators were given a grade of "A+" for their performance and the ARRL devoted a half-page in their December issue of "Field Forum" to the accomplishment.

The PCARS 146.85 Trader's Net, Thursdays at 1945 has been discontinued according to Vic Halupka, KA2ZPM, chairman of the PCARS Emergency Committee. There wasn't a whole lot of participation according to Vic. The net normally followed the regular meeting of the Emergency Net at 1930.

Don Winn, AF4Z, reported the results of a survey of patrons of the Melbourne Hamfest. Generally, the responses were more than favorable, but there were some comments deserving of further action, and it will be taken into consideration by the PCARS Board of Directors.

Some of the significant complaints were: there was not enough handicapped parking facilities provided, insufficient lobby seating and not enough commercial dealers represented. Funny too — many abhorred the quality of the grub while many others praised it.

Personally, I love hot dogs, but I can't honestly say that I have ever found any endearing qualities in hot dogs, no matter where they are served! I always think the tasty tube is rather overpriced — if anything.

The PCARS meets at 7:30 p.m. the second Monday of each month at the Red Cross Building on Hickory Street in Melbourne. Interested persons are cordially invited to attend, and doughnuts and coffee are standard fare at the meetings.

That's a wrap for this month.

From P. 1 FCC Story

cation: 'It covered all the hamfests,' began Clark. Together with a friend in Naples, who owned a printing press, he made and distributed the first copy to each and every radio amateur who lived in Florida — all 8,500 of them. He began the publication in an effort to establish communication among the radio clubs. As today, he believed the magazine would be a service to the state's amateurs . . . "

A service indeed, not only to **Florida Skip** readers, but to aspiring writers and reporters as well. Andy Clark has given us a forum to hone our journalistic skills while speaking the truth no matter how unpopular on the love of our lives, ham radio.

FCC Private Radio Bureau Chief, Robert H. McNamara: "The personal radio branch administrators, the amateur radio service and the personal radio services. Currently there's a branch chief, three attorneys and one communications specialist."

(The Branch Chief is John B. Johnston, W3BE. William Cross, also a ham, is an analyst. And then there is Tom Fitz-Gibbon, an attorney — who works on enforcement matters.)

McNamara: "So as you can see the resources are very slight for the personal radio branch."

Florida Skip: "And this is the umbrella in this era of deregulation that regulates ham radio?"

McNamara: "That's correct. There is a licensing division in Gettysburg which actually processes the licenses. That's done at that location and not here."

Florida Skip: "How do the Field Operations Bureaus tie in?"

McNamara: "The various offices work for the Field Operations Bureau here at headquarters and they are under separate management. They're not under the Private Radio Bureau. The Field Offices all work for the Chief of the Field Operations Bureau."

(The Chief of the Field Operations Bureau is Richard Smith and the Deputy Chief is Aaron Van Doran. So you can see that the Field Operations Bureau which is currently issuing notices of violation and apparent liability, and the Private Radio Bureau are two completely different organizations under different management within the FCC. As you will read in later issues, the two merge in the appeals process.)

Florida Skip: "What can we talk about on amateur radio? Can we talk about anything we want? Do First Amendment rights of free speech apply here?"

McNamara: "Well, that's a pretty broad question. Certainly the First Amendment is the law of the land. The whole Communications Act is set up that certain bands are provided for certain purposes. I don't see a conflict in the First Amendment with that type of spectrum management. The Communications Act specifically authorizes — requires the Commission to use that sort of structure. So to say that you can broadcast, using that term technically, on amateur bands would be a violation of the First Amendment — I don't think that's accurate."

Florida Skip: "Can you rephrase that so I catch the meaning?"

McNamara: "Maybe you want to rephrase your question."

Florida Skip: "Okay. There's two areas that I'd really like to get into. One you touched upon in the broadcasting and the information bulletins, we want to discuss that 'cause there is now in amateur radio a rise in information bulletins. And we'd like to know, well why don't we start with the limits of information bulletins. They're supposed to be ham radio related; what is ham radio related?"

FCC Counsel Tom Fitz-Gibbon: "Anything that is reasonably related to ham radio is ham radio related. There may be a borderline. There are some things that are obviously related to ham radio and other things that are not. And then there are things that are in between. And that's where it may be important how the person himself or herself characterizes it. If it's called broadcasting, then that's going to be a factor."

Florida Skip: "So you're saying that even the use of the word 'broadcasting' as many robust information bulletin purveyors sometimes use aggravates the situation, in your opinion?"

Fitz-Gibbon: "It can affect it. Obviously if it's a pure information bulletin, characterizing it as a broadcast is not going to make it a broadcast. The other way around, if it's a broadcast, you're not going to turn it into an information bulletin by charactertizing it as one. But there is a gray area. If it's a gray area, one factor in determining what it is how the amateur himself characterizes it."

Florida Skip: "If it's a gray area, who, may I ask, is the final arbiter? Is it the commission or the purveyor?"

Fitz-Gibbon: "The initial enforcement action would be taken normally by the Field Operations Bureau, one of their field offices."

Florida Skip: "So they'd make a judgment call?"

Fitz-Gibbon: "Yes. They would make a judgment call and then the next level of review if the ham appealed it would be the Field Operations Bureau personnel in Washington."

Florida Skip: "Can we talk about ham radio related? One of the subjects on my mind is that I recently lost a relative in the drug war. He was piloting a chopper for customs that went down while chasing suspected drug runners at sea. What about the use of our repeaters, particularly in South Florida, for illicit drug running? I recently ran an information bulletin called 'Hams Against Drugs' that also ran on commercial radio. I considered it very ham radio related, but others criticized it as not ham radio related. Yet, I see us hams as having a foremost responsibility to see that our service is used, if anything, to fight the drug war and not for the converse. Is my thinking correct or am I off base? If this line of questioning is off base, please let me know."

McNamara: "No. I think any question you have, we'll try to answer off the top of our head. One of the things is technical questions. I was a former naval aviator (McNamara flew in the same category as 'Top Gun') and there was a checklist so you could really look at the rules and see exactly what it said. I think you're right that certainly the hobby shouldn't be used to support drugs. I think, however, if you're just on the air discussing the drug problem, it's hard to see how that is related to ham radio in and of itself. I mean there may be programs or activities that some clubs or groups are involved in that would be a closer question, but to take one example, if you were just on the air saying how drugs are awful, I would think that that would be difficult to say it's ham radio related."

Florida Skip: "Okay. I was just awarded a Citizen's Achievement Award by Citizens' Crime Watch, which I'm also a part of. I went to the award ceremony and taped a broadcast of some of Miami's community leaders who are working against drugs. So I put this program together and it ran on ham radio as well. What I'm asking is: Was that appropriate?"

Fitz-Gibbon: "I've got a comment now. If it's just informational, letting hams know what's going on on ham frequencies, it's probably all right. But if it's related to law enforcement, then that's a prohibited business communications."

Florida Skip: "How can you separate law enforcement from Part 97 from operating with this privilege, the underpinning of which is legal efficacy?"

Fitz-Gibbon: "Well, information bulletins are supposed to just give information. They're not supposed to be for the purpose of accomplishing a business goal. And the law enforcement business is the same as any other business."

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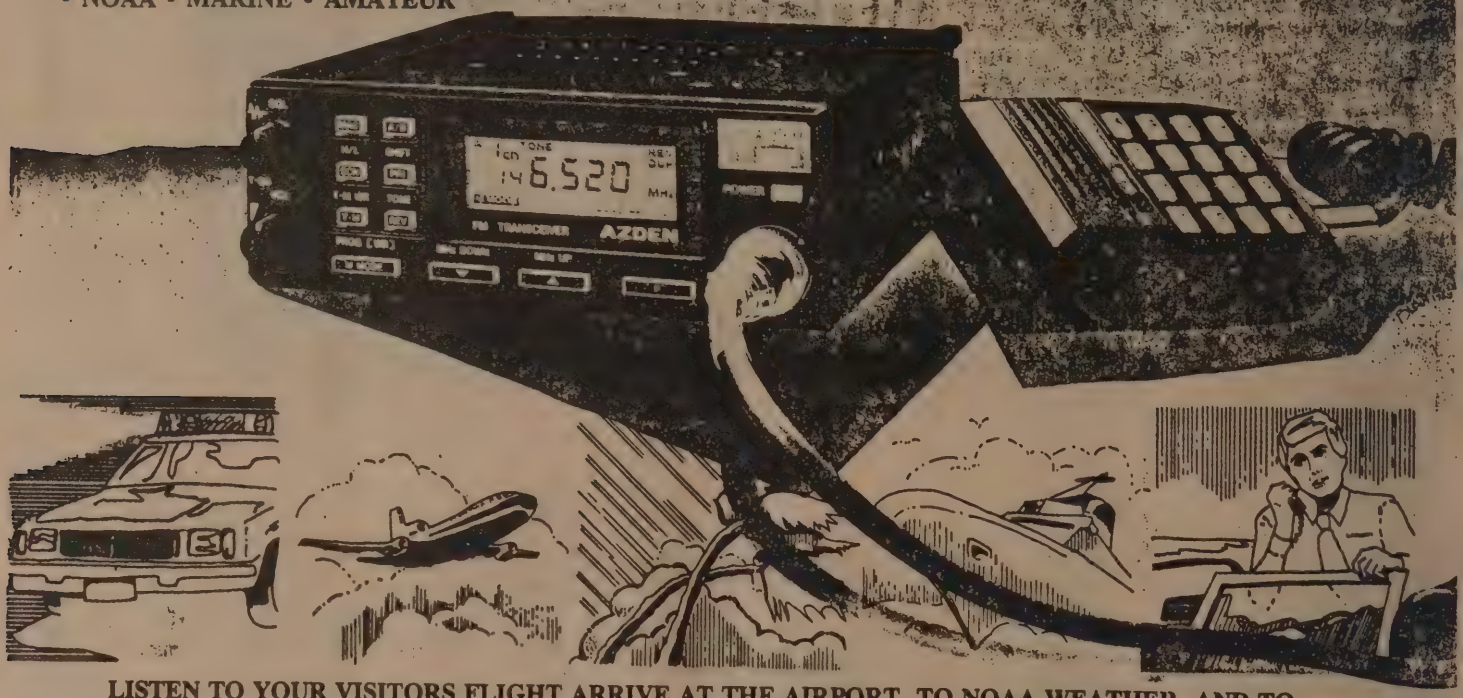

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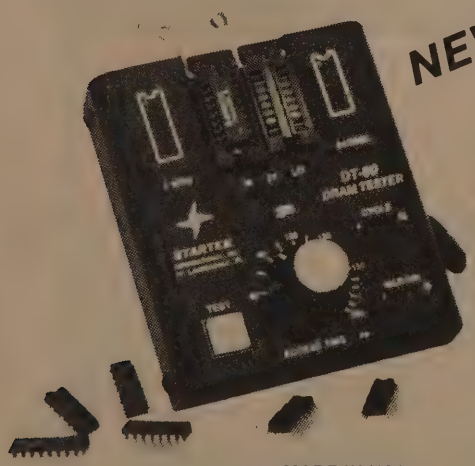

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DIRECTORY

CENTRAL FLORIDA CHAPTER

The Central Florida Chapter meets all year-round at the Sizzler Steakhouse, 3105 U.S. Highway 98 North, near I-4, Lakeland, Florida. They meet the third Saturday of each month at 11:30 a.m.

For more information contact: Frank La Londe, W4PBL, 3840 Charter Road, Lakeland, Florida 33809 or phone him at (813) 858-8346.

FLORALA CHAPTER

The Florala meets the second Saturday of each month at 12:00 noon at the Hickory House Restaurant, Ft. Walton Square Shopping Center, 99 Eglin Parkway, Northeast.

For more information contact John Zwaska, W4WKQ, (904) 651-1607.

FLORIDA STATE Q.C.W.A. NET

The Florida State QCWA Net meets every morning at 8:00 a.m. on 3955 KHz.

GATOR CHAPTER

The Gator Chapter meets the first Saturday of each month at Stacey's Buffet on Missouri Avenue, Midway Shopping Center, Clearwater at 11:30 a.m.

For more information contact: Eli Nannis, K4JMH at (813) 595-3111 or at 14996 Imperial Point Drive, North, Largo, Florida 34644.

PALM BEACH CHAPTER

The Palm Beach Chapter meets at the Prosperity Oaks Dining Room on Prosperity Farms Road, south of PGA Boulevard at 12:00 noon on the last Tuesday of each month.

For information contact: Bob McDow,W4KOG at (407)848-2352.

PELICAN CHAPTER

The Pelican Chapter meets the third Wednesday of each month at Stacey's Buffet on 34th Street North, St. Petersburg, near Third Avenue, North. The time is 11:30 a.m.

For more information contact: Paul Turner, W1DLP, 109 Pindo Palm West, Largo, Florida 34640 or phone him at (813) 585-9830.

QCWA CITRUS CHAPTER

The QCWA Citrus Chapter meets on the third Saturday of each month at Stacey's Buffet in Altamonte Springs at noon.

For more information contact Don Fisher, W4PLA, 143 Hilltop Place, Altamonte Springs, Florida 32701; phone (407) 331-0456.

SOUTHEAST CHAPTER

The Southeast Chapter meets on the third Saturday of each month at noon at Denny's Restaurant, 7411 N.W. 36th Street, Miami, Florida 33166.

For more information contact Art Rauch, W4VZ, 10950 S.W. 105th Avenue, Miami, Florida 33176-3435; (305) 274-9709.

SOUTHEAST FLORIDA CHAPTER

The Southeast Florida Chapter meets at the Denny's Restaurant, 7411 S.W. 36th Street, Miami, Florida the third Saturday, every month at noon.

For more information contact: Herb Bernard, W4JXA, 1641 S.W. 92nd Place, Miami, Florida 33155 or phone him at (305) 264-8807. You can also contact: Art Rauch, W4VZ, 10959 S.W. 105th Avenue, Miami, Florida 33176 or phone him at (305) 274-9709.

SUNCOAST CHAPTER

The Suncoast Chapter meets the first Thursday of the month, October through May at the House of Chong on the west side of Route 41 — just south of the junction of Route 72 — at 11:30 a.m.

For inforamtion contact: Bob Bookwalter, W4NWF, at (813) 485-7928.

TREASURE COAST CHAPTER

The Treausre Coast Chapter meets the third Thursday of each month at 11:30 a.m. at the Vero Beach Inn, Route A1A.

For more information contact Secretary/Treasurer, Dr. W.R. Staples, W4SME, P.O. Box 782202, Sebastian, Florida 32978; (407) 664-6750.

SUWANNEE CHAPTER NO. 62
DIRECTORY LISTING FOR 'FLORIDA SKIP'

The Suwannee Chapter No. 62 meets the fourth Thursday of the months of February, April, June, August and October, and the second Thursday in December at Don's Smorgasbord on 36th Avenue, one block south of Silver Springs Boulevard, in Ocala, Florida. The time is 11:30 a.m.

For more information contact: Ray Chartier, W1RFE at (904) 694-5439.

F.C.C. INFORMATION PAGE

AUBURNDALE AREA

W5YI exams, technical through extra, are to be held on the third Saturday of each month starting at 9:00 a.m. They will be held in the First Presbyterian Church on 410 Pilaklakaha Avenue (PK Avenue), Auburndale, Florida. Between Winter Haven and Lakeland on Highway 92. Turn off 92nd on Ariana Avenue, go two stop signs and turn left on PK Avenue. It's the second building on right.

Walk-ins accepted on test available basis. Reservations requested. There is a fee of $5.25 for tech through extra.

For information contact: Pete Salvage at (813) 646-2526 or Bill Loop at (813) 967-5952.

BREVARD COUNTY

ARRL/VEC exams by Consolidated V.E.'s of Brevard County — Room Q-22 — Florida Institute of Technology — Melbourne — 10:00 a.m. (check-in 0930) — third Saturday of every month.

No pre-registration required. Form 610 provided. Bring original and photocopy of current license.

For information contact Victor Lau, N4FUY at (407) 768-0888.

HIALEAH

W5YI coordinated tests — novice through extra, every third Saturday of month at 8 p.m. Due to space limitations pre-registration is encouraged. Fee is $4.95.

Contact Ivan Prada, KP4EDL at (305) 829-0602 from 7 to 9 p.m. for more information.

SUNRISE

CAVEC exams by Racal-Milgo in Sunrise twice per month; on the first Saturday at 8:45 a.m. and on the third Thursday at 7:30 p.m. at 1601 N.W. 136th Avenue (North Harrison Parkway).

No pre-registration required.

Bring: the original and one copy of your license, the original of any credit certificate (or copy of FCC Form 610 for novice credit), proof of identity (driver's license with photo, etc.) and $2 (except novice which is free).

For further information call: Chip Allen, AK4Y at his home at 476- 8761; or Joe Loewy, KB4FO either at his home 434-8211 or work 846-4567. For 24-hour recorded information call 846-4444.

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CITRUS COUNTY

License exams are scheduled for the third Saturday in the odd numbered months at 8:30 a.m. at the Citrus County Emergency Operations Center on West Southern Street in Lecanto. (West off C.R. 491, one-quarter mile north of S.R. 44.)

Reservations preferred, walk-ins accepted while supplies last. Bring original ham license and photocopy, certificates for prior exam credits if any, photo identification as

driver's license, pen & pencils and $5.25 fee. Phone Dwight, KJ4AP, (904) 746-4306 for reservations and information.

Crestview:

FCC exams are given the second Saturday of each third month (February, May August and November) at 9:00 a.m. at the Council on Aging Building, 298 South Wilson Street, Crestview, Florida. Fee $5.25. Walk-ins welcome. Bring original and copy of license, and a photo identification. For more information contact Bill Pate, WB4ORK Route 1, Box 189, Crestview, Florida: telephone (904) 682-0539.

DADE CITY AREA

W5YI exams — technician through extra class (novice exams by reservation only) — are conducted the third Wednesday of each month except December, in the Tampa Electric Company, Community Room, 602 East Meridian Avenue (two blocks east of Highway 301) in Dade City, Florida at 6:30 p.m.

Bring the original and a photocopy of your current license, any CSCE and a $5.00 fee.

Form 610 will be furnished and pre-registration is recommended. Exams by appointment will be conducted for those persons with special needs.

Contact Dan Wilson, AB4LN at (904) 521-3494 or (904) 583-5120 evenings and weekends for further information.

DADE COUNTY AMATEUR RADIO EXAMINATIONS

Exams will be held at the Dade County Emergency Operations Center, 5600 S.W. 87th Avenue, Miami, Florida 33173, at 9:00 a.m. on the second Saturday of the month.

Walk-in exams on test available basis. Bring a photocopy of your current license, photo identification, pen and pencil and a $4.75 check payable to ARRL VEC. FCC Form 610 available at exam.

For further information contact Tom Sherwood, AL7HW at 255-3170 after 5:00 p.m.

NORTH DADE — SOUTH BROWARD AREA

FCC exams are given on the fourth Thursday of each month by a W5YI-VEC team at 6:30 p.m. prior to the regular monthly meeting of the Fellowship Amateur Radio Club at Ingall's Park in Hallandale at 735 S.W. 1st Street.

No charge for novice . . . all others $5.25.

Bring the original of your license, a photocopy and positive identification.

For more information call Howard, N4EBT at 935-5214 or Norm, K4RBR at 823-5437 (evenings).

V.E.C. 1990 EXAM SCHEDULE

Fort Walton Beach:

ARRL VEC exams by Playground ARC, are held quarterly at the clubhouse — 17 East First Street, Fort Walton Beach. The 1990 dates are March 10th, June 9th, September 8th and December 8th. Doors open at 8:30 a.m. Walk-ins are welcome. Fee is $4.95. For further information contact Bill Hord, W4WIJ at (904) 243-9720; or Hal Byrd, WG4X at (904) 243-0882.

WEST PASCO COUNTY

The Gulf Coast Amateur Radio Club is sponsoring ARRL VEC exam sessions — novice through extra — on the first Tuesday of each month at 6:30 p.m. Location is the Adult Education Center, 5520 Grand Boulevard, New Port Richey.

Walk-ins accepted on a materials available basis. Pre-registration is strongly advised.

Bring original and photocopy of current amateur radio license, positive identification, check for $5.25 payable to ARRL VEC (no fee for novice exam) and original and photocopy of any CSCE.

Form 610 will be furnished. Talk-in on 146.67 (Tx-600).

For information contact Fred, AA4FG at (813) 849-1224 or Ralph, W2GLW (813) 842-8351.

HERNANDO COUNTY EXAMS

The Hernando Volunteer Examining Council (HERVEC) with Clover Leaf ARC and Spring Hill ARC co-sponsors are conducting monthly exams novice through extra, each third Wednesday of the month at 6:00 p.m. at Springfield High School in Spring Hill. The Clover Leaf Visitor's Center in Brooksville is the alternate exam site.

Walk-ins are welcome.

For information contact Paul Sauer, K4ZC at (904) 683-3167.

LAKE COUNTY — CENTRAL FLORIDA

W5YI-VEC exams will be held on the following Saturdays in 1991: April 20th, May 18th, July 20th, September 21st, October 19th and November 16th. Test time is 9:30 a.m.

The location is the Lake Amateur Radio Association Clubhouse, just west of Tavares, Florida. Go two miles west of Tavares on U.S. Highway 441 to CR 473. North one mile on CR 473 to the Haines Creek Baptist Church. The clubhouse and 180-foot tower are behind the church.

Walk-ins permitted.

Bring a copy of ham license, copies of any certificates of successful completion of exam and positive identification. Cost is $5.25 for 1991.

Talk-in on 147.255, K4FC, repeater.

For information contact Paul, K3NON at (904) 343-8729 or Millie, KQ4R at (904) 343-0075.

MARION COUNTY FLORIDA

Tests are given the second Monday of every second month (February, April, June, August, October and December) at 7:00 p.m. (sharp) . . . novice through extra. Walk-ins are welcome.

The location is the Green Clover Hall in the Marion County Government Complex off Route 40 on Ft. King and 25th Avenue in Ocala, Florida.

Bring $4.95 and a copy of license.

For more information call R. Brenner, KA4RWB at (904) 237-5783 or write to 5690 S.W. 36th Avenue, Ocala, Florida 32674 and send a SASE for a reply.

OCALA/CENTRAL FLORIDA

W5YI exams are held each month (except November and December) on the last Thursday, 7:30 p.m. at the St. Patrick's Episcopal Church, 2802 N.E. 7th Street, Ocala, Florida.

All exams, novice through extra, are given on a walk-in basis. Fee is $4.75. Novices are free. Talk-in is available on 145.130 repeater.

For information contact Jim, KA2MBE at (904) 236-0744; or Joe, KA4WJB at (904) 351-0985.

PALM BEACH

Palm Beach Amateur Radio Council and Palm Beach Community College Amateur Radio Club are giving amateur radio license tests the third Saturday of each month at 9:00 a.m. at Palm Beach Community College, 4200 Congress Avenue, Lake Worth, Florida. Criminal Justice Room 101, for $4.95.

Walk-ins permitted as long as we have test materials available.

Next tests are October 13th and 14th at hamfest at South Florida Fair Grounds on State Road 80.

For information call Graf Buckenmaier at (407) 582-7617.

PANAMA CITY, FLORIDA

Test date and time is January 12th, April 13th, July 13th and October 12th, 1991 at 10:00 CST. Walk-in time is 9:30 a.m.

The site is the Civil Defense Building, Main Conference Room, 644 Mulberry Avenue, Panama City, Florida.

No cash. Make checks payable to ARRL/VEC. No charge for novice. All other classes will be $5.25.

For information write Charles Hickman, 2402 West 21st Street, Panama City, Florida 32405 or phone (904) 785-0449.

BOCA RATON

The Siemens Amateur Radio Club sponsors ARRL VEC coordinated exams the third Friday every month at 17:30 hours, except December which will be the second Friday. The tests will be given at the Spanish River High School, 5100 Jog Road, Room 8207, Boca Raton.

Pre-registration is recommended, but walk-ins are accepted if testing materials are available. Novice exams are free . . . all others are $4.95.

Bring a photo identification, your original license and a copy and the original and a copy of any CSCE's. All forms are provided.

Contact Ron Diego at (407) 994-7168 during business hours or (407) 487-1726 evenings and weekends for more information or to pre-register.

PENSACOLA

FCC exams are given the third Thursday of each month at 5:00 p.m. Location is the cafeteria of the West Palm Florida Hospital, on North Davis Highway.

For further information contact Rick Lloyd, AA4W; or Bill Behrends, WA4YRN.

PORT SAINT LUCIE AREA

Fort Pierce, Florida • Saint Lucie County

The Fort Pierce ARC is sponsoring ARRL VEC's each month on the fourth Saturday, at the Saint Lucie Emergency Operations Center. Go west of I-95. Pass Highway 713 to Rock Road. It is on the right-hand side.

Register at 9:00 a.m. and the test will be given at 9:30 a.m.

Details from Fred Newmann W2EUX 407 340-1069

DUNEDIN — TAMPA BAY AREA

W5YI-VEC coordinated amateur radio exams are conducted by the Dunedin ARC VE testing team on the first Monday of every month. If the first Monday is a holiday, then the tests are held on the second Monday.

Testing begins at 7:00 p.m. in the Foreign Language Building, Number 99, Dunedin High School, 1615 Pinehurst Road, Dunedin.

Remember to bring with you, two forms of identification, originals and copies of your license and CSCE's if any and the $4.95 fee required for the tech through extra exams. Talk-in on 145.110 or 145.310 (Tx-600).

For registration and or information call WC2G at (813) 938-7810 or W8RH at (813) 535-2034. Mailing address is: P.O. Box 1851, Dunedin, Florida 34697.

TAMPA EVENING TESTING

W5YI-VEC exams will be held the last Thursday of each month at 7:00 p.m. (except November and December). Sessions will be replaced by one date in early December due to holidays. (Phone for exact date during November.)

Testing location is the second floor of the American Red Cross Building, 217 North Howard Avenue, Tampa.

Novice exams are free. All others $4.75 cash. Bring with you the original and a photocopy of your current license and original and photocopies of CSCE's, if any.

To resolve questions or obtain holiday season dates contact Scott, KA4FRO at (813) 685-2514.

At a recent meeting of the Indian River ARC, a pensive Bill Eppley, W2SDB (right), awaits presentation of the first-place award for 20-meter phone for the Southern Florida Section in the 1990 ARRL International DX Contest from Carl Zelich, AA4MI, ARRL assistant director, Southeast Division. Seated is Dick McKlveen, W4YWA (left), IRARC secretary and Gene Sirota, W4JMX (right), IRARC president.

IT SEEMS TO BE . . .
By Doc Staples, W4SME

That — rudeness, uncourteousness and impoliteness must be the major personal attributes of some stations who participate in nets today!!! One individual is supposed to be in total command of the net . . . That is the Net Control Station . . . Is it asking — too — much to heed the words of the Net Control Station??? Please remember the NCS is doing the best job that can be done with the help(???) NCS is receiving.

That — if you must announce, in the middle of directions by the NCS, that you "gotta go," "just returned," or need to "fill your coffee cup" . . . "listen first" before making his job more difficult!!! NCS might be able to maintain a level of sanity for the remainder of the net!!!

That — it sure is great to hear a sending station remember to send traffic no faster than he/she could write the traffic with a "stick." Just because you can send packet at 60 words per minute plus, does not give you the prerogative to force the receiving station on SSB to attempt copy at 80 words per minute!

That — checking into nets with your RIT "on," and being 300 KHertz high or low is sure to please everyone on the net, especially during poor propagation and heavy local splatter. Make a point to check your equipment — "before" — next time.

That — any net is a controlled operation. Stations should not transmit at any time while the net is in progress unless directed by the NCS! If you are attempting to assist the NCS with a relay — and you think that you are the only one who can do this, please don't start a three-minute discussion of why you can copy the station while the NCS is still calling the station. Just simply insert your call-sign after the NCS has stopped talking. Good NCS procedure always leaves a short space after a call or direction!

That — I am now absolutely sure that if the phrases "lets see," "okay-okay" or "okay lets see" are not repeted at least 50 times during a net session, I am left totally unable to figure out what happened during the session??? Perhaps, even maybe the NCS could practice with a tape recorder and smooth up the delivery so that all the listeners could understand each direction as a simple and unadorned statement???

THAT — my biggest peeve ever as an NCS occurs immediately after I have called for all traffic — received and acknowledged a listing — paired off stations only to have a station interrupt a roll-call after releasing liaison reps, indicating multiple traffic listings!!! Net protocol is well established. Time for traffic is a function of this protocol — Is it really asking too much for stations with traffic to arrive on time?

That — my next biggest peeve relates to stations who unabashedly interrupt the NCS at a time when an NCS is giving directions to stations. Thus requiring each station to request from NCS a repeat of the instructions, and as a result causing confusion among the stations and increasing the time of the net. A "little" patience is like some WD-40 on a squeaky wheel — try some, it really works!!!

That — I have only one other request. Will someone please clarify for me the exact meaning or translation of the oft used expression, "I'll be on the side"??? I have looked high and low and everywhere in ham publications to absolutely no avail!!! I have yet to determine which side they are going to be on "cause" they never say??? I've even looked on upper sideband when they have been on lower and vice-versa. It has always been my understanding that correct procedure as set forth in every training aid is . . . KN4XYZ is clear or if you prefer out!!! That means to someone listening on that frequency that you have completed your contact and that the frequency is "clear"!!!

That — I want to give a wave of the WOUFF-HONG to all who have accepted the challenge to participate as an NCS. And may your ulcers and high blood pressure serve to reward you for the hours of tireless dedication which you have volunteered in the name of this great hobby!!! May those who have never picked up the gauntlet exist in the knowledge that with a little extra effort they too could enjoy all the benefits and perks of an NCS!!!

'BUY FROM YOUR FELLOW AMATEUR' DEPT.

FELLOW AMATEUR: Here are several firms that have an interest in YOUR business! They have seen fit to support the FLORIDA SKIP by giving us a little revenue each month in return for your support. If you have a need for the services listed, you can't possibly do better than to deal with a fellow amateur, can you?

WA4PFK, So. FL SM (Right) presented Official Emergency Station certificates to (L to)) N4ORN KB4TCS, WD4-NEA, KD4BR and N4HHP at a combined ARES/RACES meeting in Broward County recently. (Photo via 4FPK)

PROPOSED LEGISLATION IN FLORIDA

A bill to be entitled "An act relating to radio communication; prohibiting counties and municipalities from enacting or enforcing restrictive ordinances governing amateur radio antennas . . . "

Be It Enacted by the Legislature of the State of Florida:

Section 1. Amateur radio antennas; construction in conformance with federal requirements; effect upon existing antennas; conflicts with local comprehensive plans. —

(1) No county or municipality shall enact or enforce any ordinance or regulation which provides more restrictive requirements for the size and construction of amateur radio antennas than is provided for under federal law, rule, or regulation. Any ordinance or regulation adopted by a county or municipality with respect to amateur radio antennas shall be in conformance with the "Amateur Radio Preemption, 101 FCC 2d 952 (1985)" as issued by the Federal Communications Commission.

(2) In the event that any local comprehensive plan contains requirements which are more restrictive than the requirements under federal law, rule, or regulation with respect to amateur radio antennas, the federl requirements shall prevail.

Section 2. This act shall take effect upon becoming a law. ----- End of message 6555 from K9RXG @ K9RXG.NTLH.FL.USA.NA -----

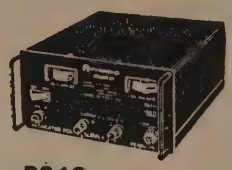
— Above message was relayed via John Hills, KC4N and Dick Hill, WA4FPK, SM, So. Fla. We hope to have more next month.
A.C.

OPERATION DESERT SHIELD

There is a movement afoot to write letters to our men overseas; many of our personnel overseas will not be receiving mail regularly so your letter when addressed as below will be given to any person who didn't receive a letter. A NICE idea!

For all ground personnel:
Any Service Person
Operation Desert Shield
A.P.O. New York 09848-0006

For all Navy personnel:
Any Service Person
Operation Desert Shield
F.P.O. New York 09866-0006



12 AMP. $39.95
25 AMP. $94.00
35 AMP. $119.00

PS12
Output 13.8 VDC, 10amp constant 13amp surge low ripple, electronic overload protection w/instant auto reset.

PS25
Fully regulated, 10 - 15 volt variable, 25amp constant 27amp surge, low ripple output, electronic overload protection w/instant auto reset, fuse protected, with Dual Meter for current & voltage.

PS35
Same as above except, 35 amp constant - 37 amp surge, adjustable from 10 to 15 volts.
(TWO YEAR WARRENTY)

5/8λ 2-STEP GP (122 inches tall !)

144MHz
GPV-5S

$69.90

Considered by the experts to be the best constructed 2 Meter antenna on the market today.
7.0 dB Gain-0 angle of radiation. Constructed of hard aluminum and stainless steel.
Introductary Price $69.90

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FAX (404) 769-7970 (7pm-10am) Telex: 4930709 ITT
Hours: 8:30 AM - 4:30 PM Mon.-Fri. Telephone (404) 769-8706

ICOM BATTERY INSERTS

BP-2	7.2v	500mah	$14.00
BP-3	8.4v	270mah	$15.00
BP-5	10.8v	500mah	$21.00
BP-7	13.2v	500mah	$23.00
BP-8	8.4v	800mah	$21.00
BP-22	8.4v	270mah	$22.00
BP-23	8.4v	600mah	$22.00
BP-24	10.8v	600mah	$26.00

KENWOOD BATTERY INSERTS

PB-21	7.2v	200mah	$12.00
PB-21H	7.2v	600mah	$15.00
PB24 Tabs	9.6v	600mah	$15.00
PB-25/26	8.4v	500mah	$18.00

YAESU BATTERY INSERTS

FNB-3/3A	10.8v	500mah	$28.00
FNB-4/4A	12v	500mah	$27.50
FNB-10	7.2v	600mah	$15.00
FNB-11	12v	600mah	$30.00
FNB-12	12v	500mah	$30.00

MORE BATTERY INSERTS

Tempo S1 Early	270mah	$19.95
Tempo S2/4/5 Late	500mah	$21.00
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San-Tec #142#144Tabs	600mah	$22.00
Azden 300 Tabs	600mah	$15.00
Bearcat	600mah	$20.00
Regency MT1000 Tabs	600mah	$15.00

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FLORIDA SKIP

Over Two Decades

P. O. Box 501 Miami Springs, FL 33266

1991 JANUARY 1991

SUN	MON	TUE	WED	THU	FRI	SAT
L.Q. 7	N.M. 15	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
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27	28	29	30	31	F.Q. 23	F.M. 30

LAST MONTH **DECEMBER 1990**

SUN	MON	TUE	WED	THU	FRI	SAT
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16	17	18	19	20	21	22
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NEXT MONTH **FEBRUARY 1991**

SUN	MON	TUE	WED	THU	FRI	SAT
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24	25	26	27	28		

SADDAM HUSSEIN

According to a news item that appeared in the February 3rd issie of "The News Sun," Bill Ambrose, W4QV of Sebring was held at gun-point 20 years ago by Saddam Hussein, then a soldier in the Iraqi Army.

Bill was on a TWA round-the-world trip when the TWA flight ran short on fuel, and was forced to land at Basra, Iraq. While the TWA Captain was making arrangements for the fuel, two soldiers under command of Sergeant Hussein took Bill to an area away from the plane and pointed their guns at him for nearly an hour. Finally when the TWA Captain returned he found Bill, who was not a crew member, and took him to the plane at which point, they boarded and took off for Bombay.

Bill said Hussein was called the "Butcher of Baghdad."

If you want more details on this true story, call in with W4QV and friends at 8:50 to 9:10 "How 'Bout it Net." on 7155 KHz Monday through Friday. Ye Ed is a frequent member, also.

—A.C.

FREE 1991 CALENDAR

For the 18th year, FLORIDA SKIP is sending to it's members a Ham Shack Size calendar. The one shown here is in four colors, actual size. If you would like one, send us a Self Addressed Stamped Envelope (SASE) any size. Send it with your Renewal payment or any HAMBAR ad. We give one day service. They are Free, but donations accepted. Editor. SEASONS GREETing to all.

RATE CARD INFORMATION

HAMBAR service of electronic equipment only is available to all subscribers, amateurs and non-amateurs at the rate of 10 cents per word, which includes address, call sign, etc. Minimum charge for any HAMBAR is $3.00. All commercial and non-subscribers rate is 15 cents per word. Minimum charge of $5.00 for each HAMBAR. No reruns. Each HAMBAR must be resubmitted each month. No ad will be published unless accompanied by full remittance! We require all HAMBAR ads contain the full mailing address, call sign, zip and area-phone number, if any. Make it easy for person wanting to buy your equipment. No HAMBARS via telephone!

COMMERCIAL DISPLAY

Full-page $125.00. Half-page (1/2) $80.00. One-quarter (1/4) page $55.00. One-third (1/3) page $70.00. One-eighth (1/8) page $40.00. Camera ready. Lay-out, make-up and typeset fee is extra according to size of ad and typeset required for same.

Deadline for all HAMBARS and ads, eighth (8th) of each month in P.O. Box 501, Miami Springs, Florida 33266. Normal mailing date 25th of each month. Thank you for your cooperation.

—Editor.

SELL: IC2AT, HM-9, BC-30, BP-4, BP-5 BP-8, DC-1 CP-1 $275. ICu4AT modified, [illegible]-50, AD-11, BP-20 BP-24 HM-9 $250. Aluma T-60H tower $1000. WB4MJE, Rene Shaw, P.O. Box 1, Big Pine Key, FL 33043 305 872-9400

YOU CAN'T SPEND A LIFETIME JUST GOING FOR THE RIDE. SOONER OR LATER, YOU'LL HAVE TO HELP PULL THE WAGON.... W4ZGG tks.

HARLINE 84147 Andrew LDF4-50A A01T 60225. Approx 100 ft. Used. Good condition. Also Decibel Products Commercial antenna 456.275 MHz. Both $100. Shepard Faber WA4FLZ, 4722 SW 89 Ct., Miami, FL 33165 305 226-9965.

FOR SALE: Bearcat 100 programable handheld scanner, with nicads, needs charger, $60.STS MS/BLOCK satellite system. Includes 10 ft. fiberglass dish (green), actuator motor, polor mount, feed horn 85deg LNA, down converter, approx. 30 ft. of cable. $300. †VC 11 descrambler available.) DX model DSA 643-A, commercial satellite receiver (cable companys use these) 19 ft. rack mount, with feed horn, LNA, block down converter, needs a modulator between unit and TV $300. Portable C/KU satellite system. Set up for KU, will work C band with a bigger dish and a 950-1450 MHz LNB. Includes a Uniden UST-2200 receiver, 5/8th meter dish, KU feed horn, 1.3 db LNB. The dish sits on the ground and is aimed manually. Good for rv or second home. $600. VC 11 descrambler available. KLM satellite electronics only, no dish. Includes KLM receiver, feed horn,LNA, down converter and all cables. System works $50. (This unit isn't VC 11 compatable, needs modification.) Larry Lunsford WA4RHM, 7517 N. Church Ave., Tampa, FL 33614 813 886-3738.

BUY & SELL COMMERCIAL VIDEO AUDIO & MICROWAVE EQUIPMENT. Call W2EDN, Bob Brown, 140, Lenape Dr., Miami Springs, FL 33166 305 884-8686 Day or 883-8669 nite.

PEOPLE WHO SNORE ALWAYS FALL ASLEEP FAST...

FOR SALE: Ten Tec 585 Paragon transcvr. Mint condition $1395. TenTec No. 243 Omni Remote VFO excellent condx. $105. Delivered. J. S. Matthews W4OWJ 4341 SW bimini Cir. Palm City, FL 34990 407 288-4536.

FOR SALE: Professional video equipment Sony BVU-110 portable 3/4 inch video recorder with P.S. $500. CIN60 250 watt portable lamp with batteries $100. Richard Marsh WB4JJQ, 7350 Buchanan St. Hollywood, FL 33024 305 961-6839.

TRADE: ICOM 761 for OMNI V or SELL for $1650. Sell ICOM R7000 $800. both mint. Looking for Ten Tec RX235 or ICOM 7700. Donald Montgomery N4MBG 1539 Anglers Dr., NR, Palm Bay, FL 32905 407 723-6085.

AFTER THE SHIP HAS SUNK, EVERYONE KNOWS HOW IT MIGHT HAVE BEEN SAVED. TU W4ZGG.

NEED TUBES?? Have huge inventory, including 3-500Z 572B's etc. Call or FAX for price quotes. Also buy tubes. D & C Electronics, Dick Gross, N1BGL, 3089 Deltona Blvd., Springs Hill, FL 34606 904 688-2374 FAX 904 683-9595.

IF YOU WANT TO MAKE SURE YOU'LL REMEMBER YOUR ANNIVERSARY, JUST FORGET IT ONCE. . . W4ZGG.

WANTED: HAM equipment and other property. The Radio Club ofJunior High School 22 NYC, Inc. is a non-profit organization, granted 501(C)(3) status by the IRS. Incorported with the goal of using the theme of Ham Radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledge with a receipt for your tax deductible contribution. As 1991 begins please look over whatever unwanted equipment you may have, and call us. We will pick up or arrange shipping. you will receive the tax deduction, but most important, the privilege of knowing that your gift really made a difference in the education and upbringing of a child. Write us at: THE RC OF JHS 22 NYC, Inc. P. O. Box 1052, New York, NY 10002 Round the clock HOTLINES: Noice (516) 674-4072, FAX (516) 674-9600.

FOR SALE: Heath RS-1 Resistance substitution box $8. Boman Mark II, solid state dc p/s 12V DC 2.5 A constant 5A surge $15.00 Citizens Band SWR6power meter $10.. All above plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

NEW Radio Buffs SPECIALS: Ten-Tec America's BEST: OMNI V - $1810. Paragon $1810. Delta II and Argonaut - Ask for special quote JRC JST-135 $1459. JST-135HP $2489. NRD-525 receiver - $999. NRD-535 Receiver $1549. Azden 6000H 2Mtr 45 watts $319. Call for Special quotes on ICOM, Kenwood and Yaesu. Let us be your accessory and equipment supplier. Radio Buffs, N4EDQ Amateur Radio Sales, 4400 Highway 19A, Suite 10, Mt. Dora, FL 32757 call 1 800 828-6433.

MANUAL: AZDEN PCS-300 2 meter handheld transceiver instruction manuals. $5. each post paid (Have 2) andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

NOTICE NOTICE HAMBAR USERS NOTIC NOTICE Please printe clearly your items for sale. Give complete mailing address and phone numbers. If your HAMBAR arrives after the 15th of the month it will be included in the next months issue. HAMBARS must be submitted in writing only. Do NOT call on phone. All Hambars must be submitted each month. Do NOT send double payment for 2 months. Thanks for your support.....AC

RELAYS : 12 VDC Dow-Key coax wwitch with DPDT ext. contacts. & Price Elec. coax switch 12VDC $12.00 Have two Dow-Coax relays 24VDC - $8. each. Danbury coax relay with BNC connectors $12.. All plus UPS. Andy Clark W4IYT 41 Lena e Dr., Miami Springs, FL 33166

Test Fee to Increase

As of January 1, 1991, it will cost as much as $5.27 to take an amateur examination. This is an increase of 6.2% over the current examination fee and was calculated based on the Department of Labor's Consumer Price Index for the period between September, 1989 and September, 1990. The nation's two largest VECs are the ARRL and the W5YI-VEC. Both have announced that their 1991 fee will be $5.25 in 1991.

A DIAMOND IS A CHUNK OF COAL THAT MADE GOOD UNDER PRESSURE... Tks W4ZGG. . .

SELL-TRADE: Certified 10M-SSB CW 28.3-8MHz$95.00 Kenwood 7625 - RM76 2M $95. D-104 $35. Mosley 5 element CB beam $30. WANTED: HR-2510/2600. John M. Mahagan WB4JHS, 2836 Camomile Dr., Orlando, FL 32821 407 856-6264.

SELL: Nicad battery packs, Gordon West Tapes, Antennas coax connectors, Alinco transceivers, Hand held, used equipment, Heathkit SB-303-401, Swan 350, Drake TX4, TR4, Tempo One 800-666-4223 624-3455 K & M ELECTRONICS,3275-A Tamiami Trail, Port Charlotte, FL 33952.

FOR SALE: Antenna 204-BAS Hy-Gain 4 El. moni-bander, brand new in box. Asking $325. Jose Luna, 5750 N.W. 191 Terr., Miami, FL 33015 305 625-6533 after 4 PM.

SALE: SWAN 350 transceiver and SWAN 2 meter SSB transverter with Swan 117X power supply $265.00 Kenwood TS 120-S with power supply $395. Heathkit HW-7 CW QRP transceiver $45. CDR Ham M rotor with indicator control unite $75. Equipment presently on the air in good condition. John N4VS, 4852 Buck Lake Rd. Tallahassee, FL 32311 904 942-5700.

FOR MANY MEN, THE ACQUISITION OF WEALTH DOES NOT END THEIR TROUBLES..IT ONLY CHANGES THEM. . . Tks W4ZGG

WANTED: TEN TEC model 207 ammeter. Doug Ryan W4MEE, 2324 N.E. 30th Ct., Light House Point, FL 33064 305 941-1311.

FOR SALE: Kenwood TR-9500, all mode 440 $275.00 IC 2AT $150. IC 720A, IC15, AT 500 tuner $800.00 Astro 150 10-80 $350. Astro RS-20A $75. Yeasu 757GX MKII, used 1 mo.$750. MD-1 desk mike $50. Murck UT 2000A $50. Motorola HT90 desk charger & speaker, microphone $175. Ernest Phinney Sr., WB4UMT, 3339 Allen Rd. Zephyhills, FL 33541 813 788-1344.

SALE: 65 ft Rohn tower 20 ft extension $100. 2 Pace Redicom 25W mobile UHF $50. each. Standard C766 40W mobile $75. Standard 790 14W mobile $50. 3-Tamaphone HH MT462MX/TT pad $25. each Motorola HH HT-220/TTpad $125. Lampkin 105B freq. meter $75l Plus other test equipment. Tom Towsley, 1829 SW 11 St., Ft. Lauderdale, FL 33312 305 462-0241.

THE OLD TIMER REMEMBERS WHEN THE COULD BUY STEAKS FOR A DIME A POUND BUT FORGETS HE HAD TO WORK AN HOUR FOR THAT TIME...ZGG

FOR SALE: HALLICRAFTERS R-46 Communications speaker $10. YEASU 747GX (CAT System, with HM-1 "UP - Down" hand mike with Manual. Forst $650. Matching Astron RS-20 power supply $95. Yeasu YS-60 Power & SWR meter $35. Kenwood MC-50 desk mike 48. Kenwood TS530S, like new with manul $350.00 Kenwood SP-230 (dual input with 3 filter) speaker $60. Coax new on spool RG11U 15 cents per foot. RG59U 8 cents a foot. RCA 20 inch RXL-100 TV sets $25.00 each, need repair. Sony Solid State 110 B&W TV, perfect picture VHF/UHF 10 inch. Perfect for bedroon. $30. All above plus UPS. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874

FOR SALE: Hallicrafters S76 HF receiver $25. Heathkit HW-32 20 meter SSB transceiver, no supply $20. Heathkit ET-3200 digital prototype builder with Course books $35. May pickup in orlando or West Palm Beach areas. Butch Parsche WA4AQV, 7203 Mahogany Dr., Boynton Beach, FL 33436 407 732-5129.

HEATH MANUALS: Have 54 Heath original manuals and info sheets/diagrams available. $3 to 15 dollars each. Andy Clark W4IYT 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874. What do you need ? SASE for list.

SELL: ICOM720A, power supply, table mike, work man coverage and filters $625. Yeasu FT980, man. mike, Gen. coverage AM FM, much more $875. Norman Polonsky W1TTT, 164 Sandpiper Ave. Royal Palm Beach, FL 33411 407 969-0899.

SALE: Henry 4kW linear amplifier $1,200.00 (Pick up only) and Dentron MLA 2500 linear amplifier $650.00 Will ship.) Each in excellent condition. Juan A. Granadoa WD4LCD. 2501 N.E. 26 Ave., Lighthouse Point, FL 33064 Phones Miami 305 949-2681 Broward 305 781-7982.

FOR SALE: Galena crystal receivers and parts. Write for more detail. Very sensitive and selective circuit developed. L. Gardner, 458 Two Mile Creek Road, Tonawanda, N Y 14150 716 873-0447.

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SPECIAL SALE

Florida SKIP has some new back issues of the 5th Edition of FLORIDA TRAFFIC HANDLERS Routing Guides on hand, edited by Andy Clark, W4IYT. To clear out this Guide, we are selling them for $2.50 each plus 50 cent postage and handling. The Traffic Guide contains everything the 6th edition has plus a centerfold map of Florida with city location chart. If you want 2 for $5.00 we will pay all postage & handling. FLORIDA SKIP PO Box 501, Miami Springs, FL 33266.

KNIGHTS OF THE KILOCYCLE

Sunday Morning 3910 kc. 1230Z — 0730 EST

By Robert W. McDow, W4KOG

First, I want to compliment the guys up in Melbourne for an excellent hamfest last month. It had always been top-notch, but this was the best.

Of course, I had to get lost getting there!!! If I had gone the way I always had before I would have been okay, but I called in and got directions and that was my undoing. I wasn't alone though. Wendy, W1UCL, had called for directions just before me and I wound up following him around for about 15 minutes, till we finally found the spot.

I think Wendy got there??? I didn't see him, but I did have a nice visit with Jay, K9BSL; Jim Gundry, W4JM; and Charlie, K8RIF, along with a lot of other friends you always run into at hamfests. That's one of the reasons I like the smaller affairs, not all "show and go." Lots of goodies in the tailgate area and lots of the guys to B.S. with.

I hope the West Palm Hamfest is half as good.

We amateurs have lost another one of our elite members in the passing of General Curtis LeMay, W6EZV. General LeMay was the Air Corps chief of staff at the close of World War II and subsequently was the commanding general and responsible for the Strategic Air Command. Not everyone agreed with General LeMay, but no one can say he wasn't a great influence on American air power.

My God!!! It's been 45 years since they dropped "**the bomb.**"

Sunday mornings before the net is a favorite time for some of the guys to get together and do a little rag-chewing. I have trouble getting up in time for the net, so I don't usually get in there, but I've heard that lately they have heard from George Decker, K4AAP, who recently moved to Texas and they had also reported that Creed, W4TX had been heard from and is doing well.

Creed also had a birthday last month along with Dwight, N4POA and John, W4GUJ, who turned 75.

Larry, WB9GCH and his wife celebrated their anniversary out in Mississippi. Larry usually checks in each Sunday with an excellent signal from his new home.

I've gotten my yearly offerings for the nematodes growing in their little planters. I still haven't gotten any advice from all you guys with green thumbs!!! Let me know some Sunday morn on the net, "how to beat the nematodes . . ."

— 73 to all and 88 to Eula, K4OEP

FLORIDA ARMY M.A.R.S. NEWS

By Lorraine S. Matthew, AAT4JK

The volunteers in the Army MARS program can be very proud of the work that they are doing. Prior to the active fighting in the Gulf, a report was issued from Chief Army MARS dated January 15, 1991. Parts of that report follow:

"The Chief Army MARS has recently returned from the KSA (writer's note: Kingdom of Saudi Arabia) where he had the opportunity to view Army MARS operations first hand, provide assistance to the Army KSA Area MARS Director and gateway station, and determine the impact of the support being provided. A full time Army MARS Area Director has been established in the KSA and both he and the KSA area gateway station are doing an outstanding job. In talking with the MARS station and soldiers in the field, it is readily apparent that the Army MARS program is providing an invaluable service in improving morale and welfare services in the form of messages and phone patches."

Further statistics show that since the beginning of MARS operations in the KSA, an excess of 72,000 MARSgrams and 9,000 phone patches have been processed to and from the KSA via the Army MARS system.

Please note the date of the report was January 15th, the day before the Gulf War began. Since that time, it is evident to every Florida Army MARS member that MARS traffic to the KSA has increased greatly. Florida Army MARS is a growing, dynamic organization with a good mix of highly experienced operators and an abundance of new operators who bring new vitality and who are quick to learn. Traffic flows smoothly and the emphasis on informing the public about the work of MARS has been carried with enthusiasm by all members.

Each month, this column will feature comments by a member of the Florida Army MARS staff. This month, Jim, AAT4RD, the assistant state MARS director is our featured staff member. His comments follow:

"The U.S. Army Military Affiliate Radio System (MARS) operation depends on volunteers and organizations to ensure that program objectives are met. The Assistant State MARS Director (ASMD) is a key player in coordinating Florida Army MARS' volunteer staff. Working closely with the State MARS Director, he is reponsible for ensuring that the Army MARS program and projects at state level are accomplished.

"Florida Army MARS has a number of active projects. Perhaps the one of most importance and emphasis is that of recruiting members. Within the past two months, the membership of Florida Army MARS has almost doubled from 100 to 200. Additionally, Army MARS has licensed one "radio club" station and one U.S. Army Reserve unit station in the state.

"Today, the club station, Silver Springs Amateur Radio Club, is engaged in phone patch operations with U.S. Army MARS stations in Saudi Arabia and Europe. The U.S. Army Reserve station in Kissimmee is operating a full-service BBS packet station on HF and VHF Army MARS channels. This situation also serves as a back up gateway station for traffic coming into and going out of the state."

There are many other projects and activities within the Florida Army MARS venue which will be discussed in future columns. The ASMD is vitally important to all the facets of Florida Army MARS. He concluded his remarks by summarizing:

"The responsibility of the ASMD is to coordinate these activities with the State MARS staff, the Army Reserve, the National Guard, MARS members and counterparts at higher Army MARS command. The ASMD's duties and responsibilities are, perhaps, like those of an Army Executive Officer and Operations Officer. He is the principal assistant to the State MARS Director, and he assists in coordinating the activities of other Florida Army MARS staff members.

"The SMD and the ASMD are committed to ensure that the Florida Army MARS staff and the MARS members work together in a cohesive effort to accomplish the mission and objectives of Army MARS."

On the local scene, all of Florida Army MARS is happy to learn that Bob Watson, AAR4QH has been given a clean bill of health by the specialist he consulted. He is back to his peppy self again.

PR packets have been flowing to members who request them. They are available from Matt, AAT4MD who is carrying most of the responsibility for the posters and graphics. We have received many excellent ideas from the Florida Army MARS members and the response to a campaign of informing the public has been outstanding. This writer is really proud to be a Florida Army MARS member.

"Reach down and lift others up. It's the best exercise you can get."

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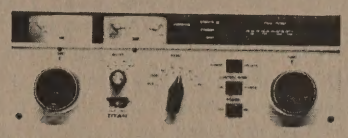

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PACKET NODES IN FLORIDA

By Tom Lewis, N4TL

This is a list of DX Packet Nodes in various cities in Florida. N4TL and WB4MAI are linked together. I believe the others are linked together, but not to the two nodes here in South Florida. If there are other DX Packet Nodes operating in the state that are not listed, write to me at the address listed on page two and let me know where they are and what frequency they are on.

FLORIDA DX NODES/DX NETWORKS:

Jacksonville	NO4J	NFDXA	144.950
Apopka (Orlando)	N4WW		144.950
Melbourne	K3ARV		144.950
Melbourne	K3ARV		145.590
Tampa	KO4J		144.950
Boca Raton (Ft. Lauderdale)	N4TL	SFDXA	145.590
Boca Raton	N4TL	SFDXA	145.070
Miami	WB4MAI	SFDXA	145.590

Last month it was reported that WB4MAI was only operating at night. That node is now operational 24 hours a day. The N4TL node will be moved from the IBM Amateur Radio Club in Boca Raton to the Florida Medical Center in Lauderdale Lakes, sometime in the next few months. This will alleviate interference problems from the packet station to the IBM Radio Club's satellite station.

Each week, DX bulletins from the ARRL are put on the N4TL and WB4MAI nodes. To see what bulletins are on either of these nodes, after connecting, use this command: SHOW/BUL. A list of bulletins will be sent to your terminal. The DX bulletins use this file name format: DXBUL.0nn, where the nn represents the week of the year. So DXBUL.001 will be the first weeks DX bulletin. A few other ARRL bulletins are on these nodes.

Old bulletins are moved from the Bulletin area of the N4TL system to an Archive area once in a while. So when a SHOW/BUL is done, only recent bulletins are listed and you are not deluged with a long list of out-of-date bulletins. To read one of the bulletins use the type command: TYPE/BUL DXBUL.001 for example.

If anyone knows of a blind DXer in the South Florida area, let them know that DX announcements made on the DX Packet Network are also announced on the SFDXA's voice repeater. The repeater is on 147.33 MHz.

From P. 1
completely through donations of time and equipment. The City of Ocala and Florida Power Corporation donated the poles and provided crews to set the poles in the ground and string the antenna.

A mobile home shell was donated for the shack and Joe Ernst and a crew of Vietnam veterans completely renovated the interior, turning the back bedroom into the comm room and the living room-dining room area into a reception area for visitors. Cox Cable ran a line to the shack and Al Forte, WD4PQN, donated a color television set.

Finney Construction Company, which built a nearby subdivision, has permitted the club to tap into their water lines, and Evans Concrete Company donated and installed a septic system.

United Telephone of Florida has provided three telephone lines along with speed dialing instruments at no charge to the club. Volunteers from the wives support group of the 351st MP Company, now on duty in Desert Storm, and others are manning the telephones and have parties waiting as soon as the on-the-air call is completed. This makes for maximum use of time.

And these calls do not cost the families of those who are making the calls. U.S. Sprint has provided their "credit card" number to the club and are picking up the tab for all of the telephone calls.

Members of the club's MARS Committtee have made appearances on television Channels 2, 9, 20 and 51, and Radio Stations WOCA, WMOP, WTRS, WTMC and WKTK. Newspapers including the "Ocala Star Banner," the "Orlando Sentinel," and the "Voice of South Marion" have also carried stories about the operation. The club is asking for donations of funds to purchase electronic equipment to enhance the phone patch operation as well as the packet system which will be in use soon.

A 100-foot tall tower has been erected which will have a 20-meter Monobander at the top, and packet is on the way. Anyone wishing to give a hand may do so by sending their contributions to Operation Desert Shield, Phone Patch, Box 310, Ocala, FL 32678.

DEAD BATTERIES

Do batteries in a radio wear out faster if the volume is turned up?

The Battery Applications Manager of Eveready Battery Company recently tested a major manufacturers dual cassette "boombox" powered by six "D" cells. From the lowest setting to the highest setting on the volume control, the power necessary to drive the "box" increased three times. This power increase directly translates into one-third battery life at full volume when compared with zero volume.

A Radio Shack battery expert confirmed these findings. He estimated that a shirt pocket portable radio would use at least 200 percent more battery charge at the loudest volume setting than at the softest. A home stereo might require 50 watts and a shirt pocket radio 200 milliwatts, but the principle is the same . . . the more power required the more juice required.

— From the MCARA Common Emitter

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Photo by Linda Bailey, AA4PJ

Pictured from left to right are: Debbie, KB4EWO; Richard, KM4AC; Les, GM0LWW; John (a friend of Les); and Louis, N4LXZ.

THE 1991 TROPICAL HAMBOREE: GOOD WILL, INTERNATIONAL AND DOMESTIC

By Richard J. Martone, KM4AC

The Tropical Hamboree Amateur Radio and Computer Show, took place at the Youth Fair/Expo Fair Grounds, on February 2-3, in Miami.

This event drew many people to a common location to look at the latest new and used equipment, and also, importantly, to visit with old friends and make new ones.

The photo shows a meeting of new and old friends at the hamboree. Debbie, KB4EWO was there with her three-week-old baby, Gloria (no call yet). Debbie kept her hand-held in the baby carriage, between calls. This allowed Gloria to hear her father, Kent, KJ4WW, when he called. It is never too early to get someone interested in ham radio.

Visitors Les, GM0LWW and John from Scotland, are shown playing close attention to Louis, N4LXZ. They stayed with him during their visit to Miami. Louis is well known for his fine sense of humor.

There were chances at the hamboree to meet people from around the world, and to exchange information about antennas and other equipment. I was pleased to do this with Les, concerning his many radio contacts with the United States, from Scotland.

These were but a few of the many facets of ham radio, at the hamboree.

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Thanks for your cooperation in this important matter.

— 73, Editor